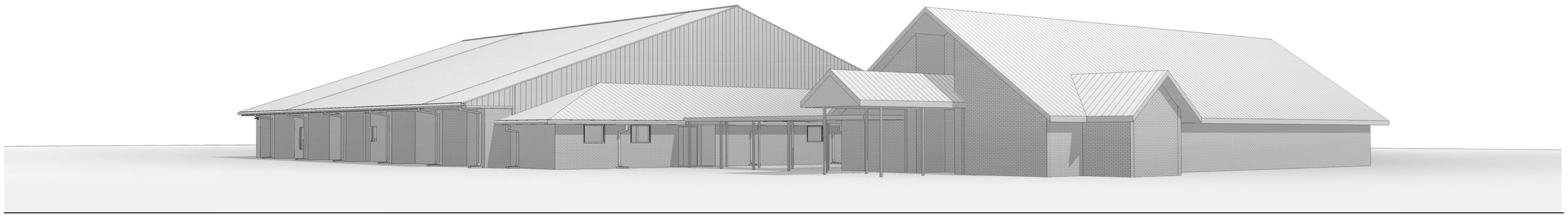
ADDITION

ZION LUTHERAN CHURCH



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ABBREVIATIONS

ABV	ABOVE	HOR	HORIZONTAL
ADD	ADDENDUM	ID	INSIDE DIAMETER
ADDL	ADDITIONAL	INFO	INFORMATION
ADJ	ADJACENT	INT	INTERIOR
AFF	ABOVE FINISH FLOOR	INV	INVERT
ALUM	ALUMINUM	JT	JOINT
APPROX	APPROXIMATELY	LAV	LAVATORY
ARCH	ARCHITECT(URAL)	LH	LEFT HAND
ACT	ACOUSTICAL CEILING TILE	MFR	MANUFACTURER
AUTO	AUTOMATIC	MAX	MAXIMUM
BD	BOARD	MECH	MECHANICAL
BK	BRICK	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
BLKG	BLOCKING	MTL	METAL
BM	BEAM	NIC	NOT IN CONTRACT
BOTT	BOTTOM	NO	NUMBER
BOD	BOTTOM OF DECK	NOM	NOMINAL
CIP	CAST IN PLACE	NTS	NOT TO SCALE
CLR	CLEAR	OC	ON CENTER
CMU	CONCRETE MASONRY UNIT	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CO	CLEANOUT	OFOI	OWNER FURNISHED OWNER INSTALLED
COL	COLUMN	OH	OVERHEAD
CONC	CONCRETE	OPH	OPPOSITE HAND
CONST	CONSTRUCTION	OSB	ORIENTED STRAND BOARD
CONT	CONTINUOUS	PL	PLATE
CJ	CONTROL JOINT	PLAM	PLASTIC LAMINATE
DEMO	DEMOLITION	PLYWD	PLYWOOD
DIA	DIAMETER	PSF	POUNDS PER SQUARE FOOT
DIM	DIMENSION	PSI	POUNDS PER SQUARE INCH
DOCS	DOCUMENTS	PVC	POLYVINYL CHLORIDE
DS	DOWNSPOUT	RD	ROOF DRAIN
DTL	DETAIL	REF	REFER(ENCE)
DWG	DRAWING	RH	RIGHT HAND
EA	EACH	RO	ROUGH OPENING
EJ	EXPANSION JOINT	S CONC	SEALED CONCRETE
EJC	EXPANSION JOINT COVER	SIM	SIMILAR
ELEC	ELECTRIC(AL)	SPEC	SPECIFICATION
ELEV	ELEVATOR	SS	STAINLESS STEEL
EWC	ELECTRIC WATER COOLER	STD	STANDARD
EXIST	EXISTING	STL	STEEL
EXT	EXTERIOR	STOR	STORAGE
FD	FLOOR DRAIN	TOS	TOP OF STEEL
FEB	FIRE EXTINGUISHER & BRACKET	TV	TELEVISION
FEC	FIRE EXTINGUISHER CABINET	TYP	TYPICAL
FHC	FIRE HOSE & CABINET	UNO	UNLESS NOTED OTHERWISE
FT	FOOT	VCT	VINYL COMPOSITION TILE
GA	GAUGE	VERT	VERTICAL
GALV	GALVANIZED	VWC	VINYL WALL COVERING
GC	GENERAL CONTRACTOR	W/	WITH
GYP	GYPSUM	W/O	WITHOUT
GYP BD	GYPSUM WALLBOARD	WD	WOOD

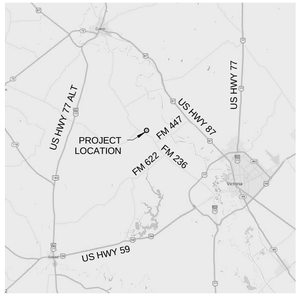
MATERIAL LEGEND

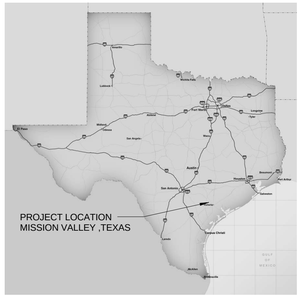
- BRICK
- CONCRETE
- CONCRETE MASONRY UNIT
- EARTH
- GLASS
- GYPSUM WALLBOARD
- LOOSE / BATT INSULATION
- METAL
- PLYWOOD
- RIGID INSULATION
- WOOD BLOCKING
- FINISH WOOD
- CAST STONE

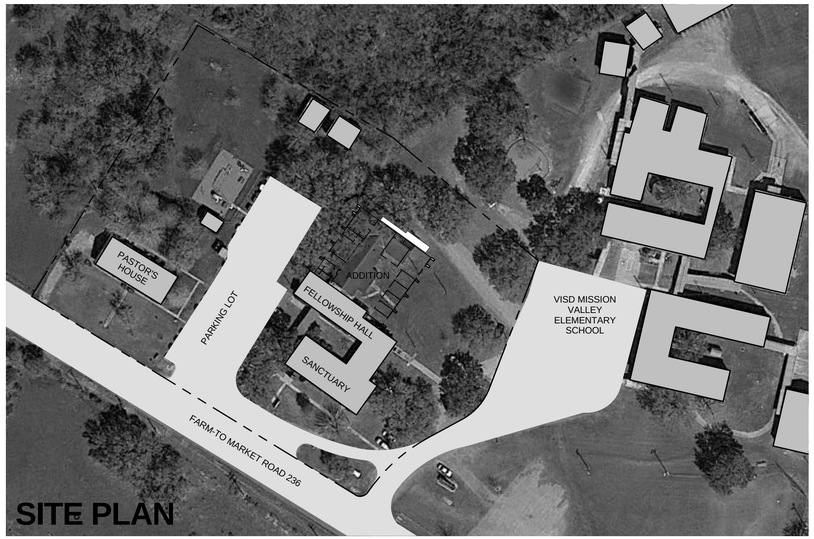
SYMBOLS

- 0 / A1.2 — BUILDING SECTION REFERENCE
- A — WINDOW TYPE REFER TO SHEET A7.1 FOR ADDITIONAL INFORMATION
- A100 — DOOR NUMBER REFER TO SHEET A1.1 FOR ADDITIONAL INFORMATION
- 7 / A1.7 — INTERIOR ELEVATION REFERENCE
- RESTROOM ACCESSORY REFER TO SHEET A2.3 FOR SCHEDULE
- 0 / A-000 — ENLARGED PLAN/ DETAIL REFENCE
- P1 — MATERIAL REFERENCE REFER TO SHEET A8.1 FOR SCHEDULE
- 14 — WALL TYPE REFER TO SHEET A1.1 FOR ADDITIONAL INFORMATION

PROJECT LOCATION: 12183 FM 236 VICTORIA, TEXAS 77905







SITE PLAN

RMA
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RAWLEY McCOY
REGISTERED ARCHITECT
REGISTRATION NO. 6123
STATE OF TEXAS

Final Plans for Bidding and Construction

REGISTERED ARCHITECT RAWLEY McCOY 6123 STATE OF TEXAS
03-11-15

ADDITION
ZION LUTHERAN CHURCH
VICTORIA, TX

DATE ISSUED:
Issue Date

PROJECT NUMBER:
1014 743

PLAN NORTH / TRUE NORTH

SHEET NAME
COVER SHEET

SHEET NUMBER
G1.1

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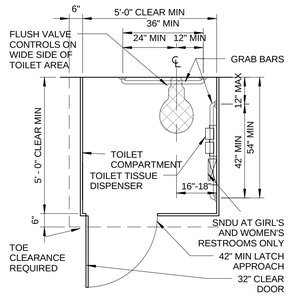
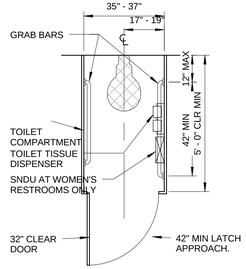
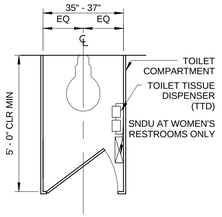


TYPICAL END OF ROW ACCESSIBLE STALL



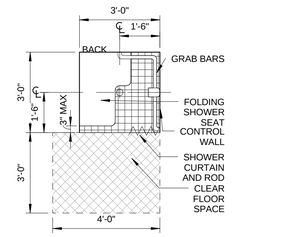
TYPICAL AMBULATORY STALL



TYPICAL STANDARD STALL

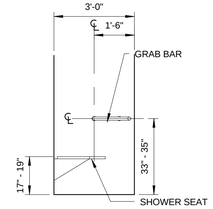
J1 TYPICAL STANDARD TOILET STALL LAYOUTS

3/8" = 1'-0"

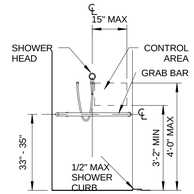


NOTE: THE MOUNTING DEVICE FOR THE HAND-HELD SHOWER HEAD SHALL COMPLY WITH FORWARD REACH RANGES

TYPICAL ACCESSIBLE TRANSFER STALL SHOWER PLAN



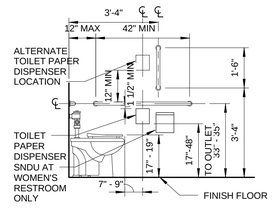
ACCESSIBLE TRANSFER SHOWER



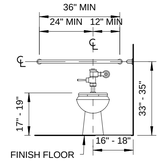
ACCESSIBLE TRANSER SHOWER CONTROL WALL ELEV

F1 TYPICAL SHOWER

3/8" = 1'-0"



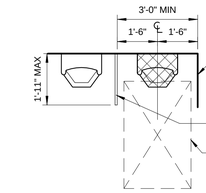
ACCESSIBLE STALL SIDE VIEW



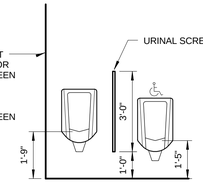
ACCESSIBLE STALL FRONT VIEW

J7 TYPICAL STANDARD STALL MOUNTING HEIGHTS

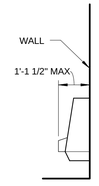
3/8" = 1'-0"



TYPICAL PLAN



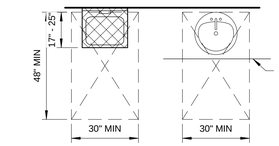
TYPICAL FRONT ELEVATION



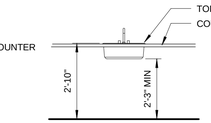
TYP SIDE ELEVATION

K11 TYPICAL URINAL LAYOUT

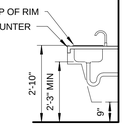
3/8" = 1'-0"



TYPICAL PLAN



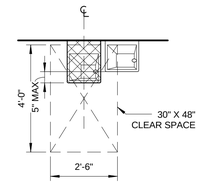
TYPICAL FRONT ELEVATION



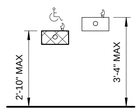
TYP SIDE ELEVATION

H11 TYPICAL LAVATORY

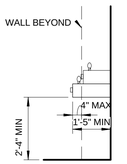
3/8" = 1'-0"



TYPICAL PLAN



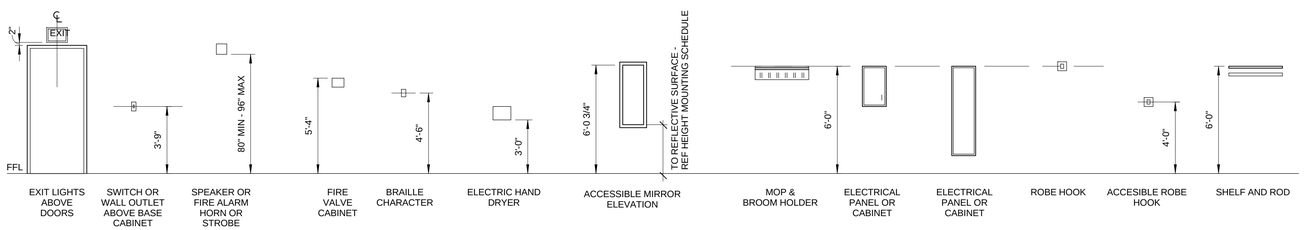
TYP FRONT ELEVATION

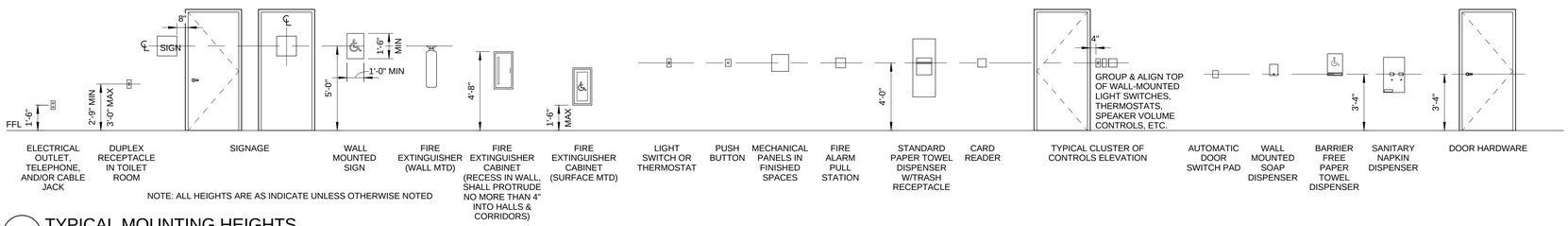


TYP SIDE ELEVATION

F11 TYPICAL DRINKING FOUNTAIN

3/8" = 1'-0"

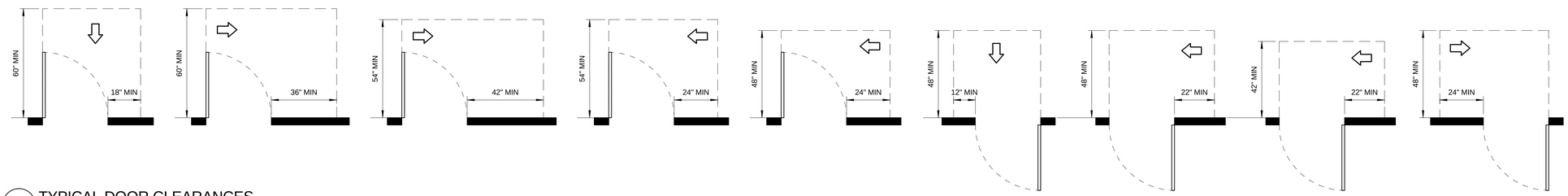




NOTE: ALL HEIGHTS ARE AS INDICATE UNLESS OTHERWISE NOTED

C1 TYPICAL MOUNTING HEIGHTS

1/4" = 1'-0"



A1 TYPICAL DOOR CLEARANCES

3/8" = 1'-0"

GENERAL NOTES

1. CORSSHATCHED FIXTURES ARE TO BE MOUNTED AT ACCESSIBLE HEIGHTS.
2. INFORMATION ON THIS SHEET IS THE MINIMUM REQUIRED TO PROVIDE ACCESSIBILITY AND DOES NOT ADDRESS COMPLIANCE WITH OTHER CODES OR STANDARDS.
3. ALL DIMENSIONS SHOWN ARE TO THE FINISH FACE. CONTRACTOR TO MAKE ALLOWANCES FOR THICKNESSES OF MATERIALS SPECIFIED.

T.A.S. DOOR NOTES

1. ALL DOORS SHALL MEET T.A.S. REQUIREMENTS FOR CLEARANCES, HARDWARE, ETC.
2. ALL THRESHOLDS SHALL NOT EXCEED 1/2" IN HEIGHT AND SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
3. ALL DOORS TO HAVE A.D.A. APPROVED LEVER LOCKSETS OR LATCHSETS, PULLS, ETC. ALL OPERATING DEVICES ON DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOESN'T REQUIRE TIGHT GRASPING OR PINCHING, OR SEVERE TWISTING TO OPERATE.
4. THE FORCE REQUIRED TO ACTIVATE DOOR HARDWARE AND OPEN DOORS SHOULD BE NO GREATER THAN 5 LB/FT FOR INTERIOR DOORS. OPENING FORCE FOR ALL EXTERIOR DOORS SHALL BE 8.5 LB/FT.
5. DOORS TO HAZARDOUS AREAS SUCH AS LOADING PLATFORMS, BOILER ROOMS, MECHANICAL AND ELECTRICAL ROOMS, AND OTHER AREAS THAT MIGHT BE DANGEROUS TO A BLIND PERSON SHALL BE MADE IDENTIFIABLE TO THE TOUCH BY A TEXTURED SURFACE ON THE DOOR HANDLE OR OTHER DOOR OPERATING HARDWARE.
6. THE SWEEP PERIOD ON ANY DOORS WITH CLOSERS SHOULD BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70° THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED FROM THE LEADING EDGE OF THE DOOR.
7. ADJUST CUT-OFF AT BOTTOM OF ANY EXTERIOR HOLLOW METAL DOORS WITH HANDICAP ACCESSIBLE THRESHOLDS TO INSURE THAT THERE IS NO GAP BETWEEN THE BOTTOM OF THE DOOR AND TOP OF THRESHOLD SEAT.

RMA
Rawley McCoy & Associates
ARCHITECTS AND INTERIOR DESIGNERS

RAWLEY McCOY
REGISTERED ARCHITECT
REGISTRATION NO. 6123
STATE OF TEXAS

Final Plans for Bidding and Construction

REGISTERED ARCHITECT RAWLEY McCOY 6123 STATE OF TEXAS
03-11-15

ADDITION
ZION LUTHERAN CHURCH
VICTORIA, TX

DATE ISSUED:
Issue Date

PROJECT NUMBER:
1014 743

PLAN NORTH / TRUE NORTH

SHEET NAME
ADA DETAILS AND MOUNTING HEIGHTS

SHEET NUMBER
G1.2

3/11/2015 11:18:22 AM
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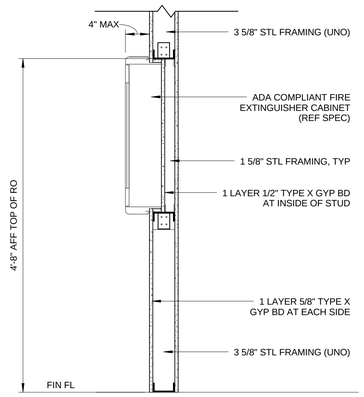
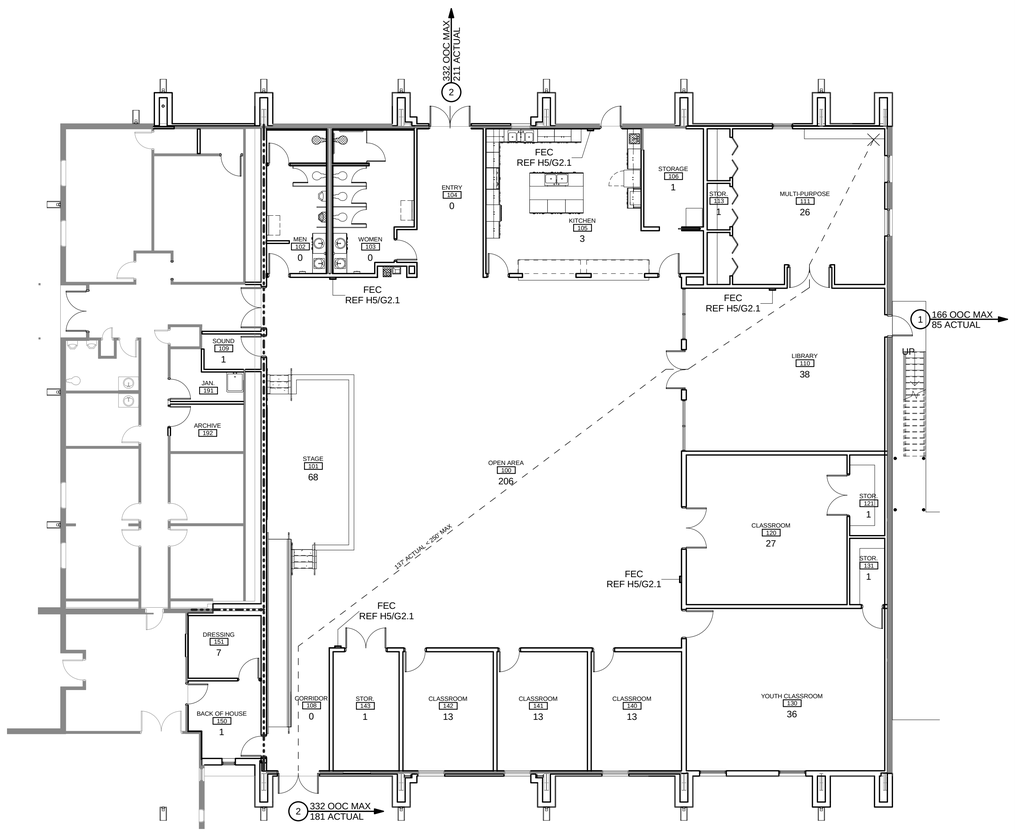
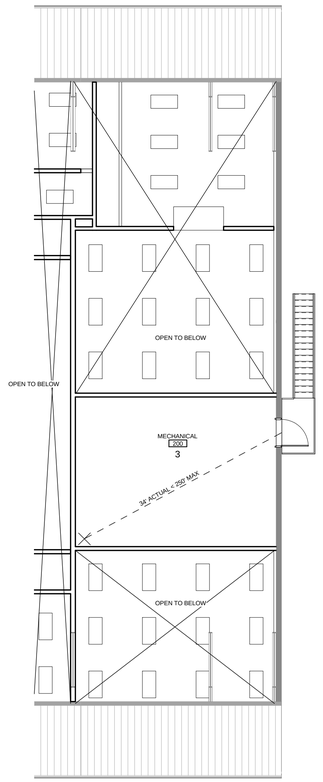

4" MAX
3 5/8" STL FRAMING (UNO)
ADA COMPLIANT FIRE EXTINGUISHER CABINET (REF SPEC)
1 5/8" STL FRAMING, TYP
1 LAYER 1/2" TYPE X GYP BD AT INSIDE OF STUD
1 LAYER 5/8" TYPE X GYP BD AT EACH SIDE
3 5/8" STL FRAMING (UNO)
4'-8" AFF TOP OF RO
FIN FL

H5 FIRE EXTINGUISHER CABINET DETAILS
1" = 1'-0"



A1 CODE REVIEW FLOOR PLAN LEVEL 1
3/32" = 1'-0"



A8 CODE REVIEW FLOOR PLAN LEVEL 2
3/32" = 1'-0"

PLUMBING COUNT

TYPE OF OCCUPANCY: ASSEMBLY (A3)					
TOTAL No OCCUPANTS: 477					
No OF MALES: 228			No OF FEMALES: 239		
	REQD	PROVIDED		REQD	PROVIDED
1:150 TLTS	2	2	1:75 TLTS	4	4
URINALS-67%	[2]	2			
1:200 LAVS	2	2	1:200 LAVS	2	2
TOTAL FIXTURES	6	6		6	6
UNISEX REQUIREMENTS (1109.2.1): (1 FOR # OF FIXTURES >6)			N/A REQUIRED; N/A PROVIDED		
1:1000 EWC's			1 REQUIRED; 1 PROVIDED		

EGRESS LEGEND

TYPE	DESCRIPTION	COUNT
1	3'-0" DOORS (33.2" CLR.) AT .2"/PERSON = 166 PERSONS	1
2	PAIR 3'-0" DOORS (66.4" CLR.) AT .2"/PERSON = 332 PERSONS	2

OCCUPANCY TOTAL

477 OCCUPANTS
2 EXITS REQUIRED : 3 EXITS PROVIDED
96.2" REQUIRED : 166" PROVIDED

WALL RATING LEGEND

2 HR FIRE PARTITION WALL TO DECK (1.5 HR DOORS) UL #U411 AT STUD CONSTRUCTION. NCMA-TEK 7-1A FIRE RESISTANCE AT CMU

PROJECT GENERAL INFORMATION:

PROJECT	FELLOWSHIP HALL ADDITION
LOCATION	MISSION VALLEY, TEXAS
BUILDING HEIGHT	ONE STORY
FLOOR AREA SUMMARY	LEVEL 1: 9,462 SF

CODE REVIEW: IBC 2009

PRIMARY OCCUPANCY (SEC. 305.1)	ASSEMBLY "A-3"
AUTOMATIC SPRINKLER SYSTEM	NO
TYPE OF CONSTRUCTION (TAB 503/601)	TYPE III
BUILDING AREA AND HEIGHT LIMITATIONS (TABLE 503) GROUP A-3 OCCUPANCY	9,500 AREA / 55 FT HGT / 2 STORY HEIGHT
MAXIMUM ALLOWABLE AREA INCREASES	75% FOR FRONTAGE INCREASE (SEC 506.2)
TOTAL MAXIMUM ALLOWABLE AREA EQUATION (506.1):	A2 & A3 OCCUPANCIES USED FOR CALCUALTIONS
Aa = At + [At x If] + [At x Is]	Aa = 9,500 + [9,500 x 0.75] + [9,500 x 0] Aa = 9,500 + 7,125 + 0
TOTAL MAXIMUM ALLOWABLE AREA :	**Aa = 16,625 SF PER FLOOR**

FIRE-RESISTANCE REQUIREMENTS

FOR GENERAL BUILDING ELEMENTS:	(TABLE 601 AND SECTION 602)	DOOR RATING (TABLE 716.5)
STRUCTURAL FRAME	0 HR	
BEARING WALLS:		
EXTERIOR	0 HR	
INTERIOR	0 HR	
NONBEARING WALLS:		
EXTERIOR LESS THAN 5'	1 HR	45 MIN
BETWEEN 5' & 10'	1 HR	45 MIN
BETWEEN 10' & 30'	0 HR	45 MIN
GREATER THAN 30'	0 HR	0 HR
INTERIOR	0 HR	
FLOOR CONSTRUCTION (INCL. SUPPORT BEAMS/JOISTS)	0 HR	
ROOF CONSTRUCTION (INCL. SUPPORT BEAMS/JOISTS)	0 HR	
FOR SPECIFIC BUILDING ELEMENTS:		
FIRE WALLS (TABLE 706.4)	2 HR	90 MIN
FIRE BARRIERS (TAB 707.3.9)	1 HR	45 MIN
FIRE PARTITIONS (SEC 708)	1 HR	20 MIN
CORRIDORS (TABLE 1018.1)	0 HR	

MISCELLANEOUS DETAILED REQUIREMENTS

CEILING HEIGHT FOR MEANS OF EGRESS (SEC 1208.2)	7'-6" MIN
CEILING HEIGHT FOR OCCUPIABLE SPACES AND CORRIDORS (SEC 1208.2)	7'-6" MIN
KITCHEN HOOD - TYPE I (SEC 507.10/506.3.10 OF IMC)	SHAFT ENCL. PER IBC (2 HR.)
SAFETY GLAZING MISCELLANEOUS REQUIREMENT	SEC 2406

EGRESS REQUIREMENTS: IBC 2009

OCCUPANCY LOADS: (TABLE 1004.1.2)

FUNCTION OF SPACE:	SQ. FT PER OCCUPANT:
ACCESSORY STORAGE AREAS, MECH. EQUIPMENT ROOMS	300 GROSS
ASSEMBLY W/OUT FIXED SEATS:	
CONCENTRATED (CHAIRS ONLY)	7 NET
STANDING SPACE	5 NET
UNCONCENTRATED (TABLES AND CHAIRS)	15 NET
KITCHENS (COMMERCIAL)	200 GROSS
STAGES AND PLATFORMS	15 NET

REQUIRED EGRESS WIDTH:

MINIMUM CORRIDOR WIDTH (TABLE 1018.2)	44" MIN OR .2" PER OCCUPANT WHICHEVER IS GRATER 72" MIN (EDUCATIONAL WITH OCCUPANCY 100 OR MORE)
MINIMUM STAIR WIDTH (TABLE 1005.3.1, EXC)	44" MIN OR .3" PER OCCUPANT WHICHEVER IS GRATER
NUMBER OF EXITS REQUIRED (SEC 1015)	
1-49 OCCUPANTS	1
50-500 OCCUPANTS	2
501-1000 OCCUPANTS	3
1001 OR MORE OCCUPANTS	4
MAXIMUM TRAVEL DISTANCE TO AN EXIT (TAB 1016.1)	
OCCUPANCY A, B, E, F-1, M, R, S-1	200' - W/O AUTO FIRE SUPPRESSION
OCCUPANCY A, E, F-1, M, R, S-1	250' - W/ AUTO FIRE SUPPRESSION
OCCUPANCY B	300' - W/O AUTO FIRE SUPPRESSION
MAXIMUM LENGTH OF DEAD END CORRIDORS (1018.4, EXC 2 & 3)	20' OR 2.5 TIMES THE MIN. WIDTH OF THE DEAD END CORR. 50' IN GROUP 'B' & 'E' OCC. W/ AUTO FIRE SUPPRESSION
COMMON PATH OF TRAVEL (TAB 1014.3)	
OCCUPANCY A, E, M, U	75' (W/O SPRINKLER SYSTEM)
OCCUPANCY B, F, S	100' (W/ SPRINKLER SYSTEM)

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03-11-15

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ZION LUTHERAN CHURCH
VICTORIA, TX

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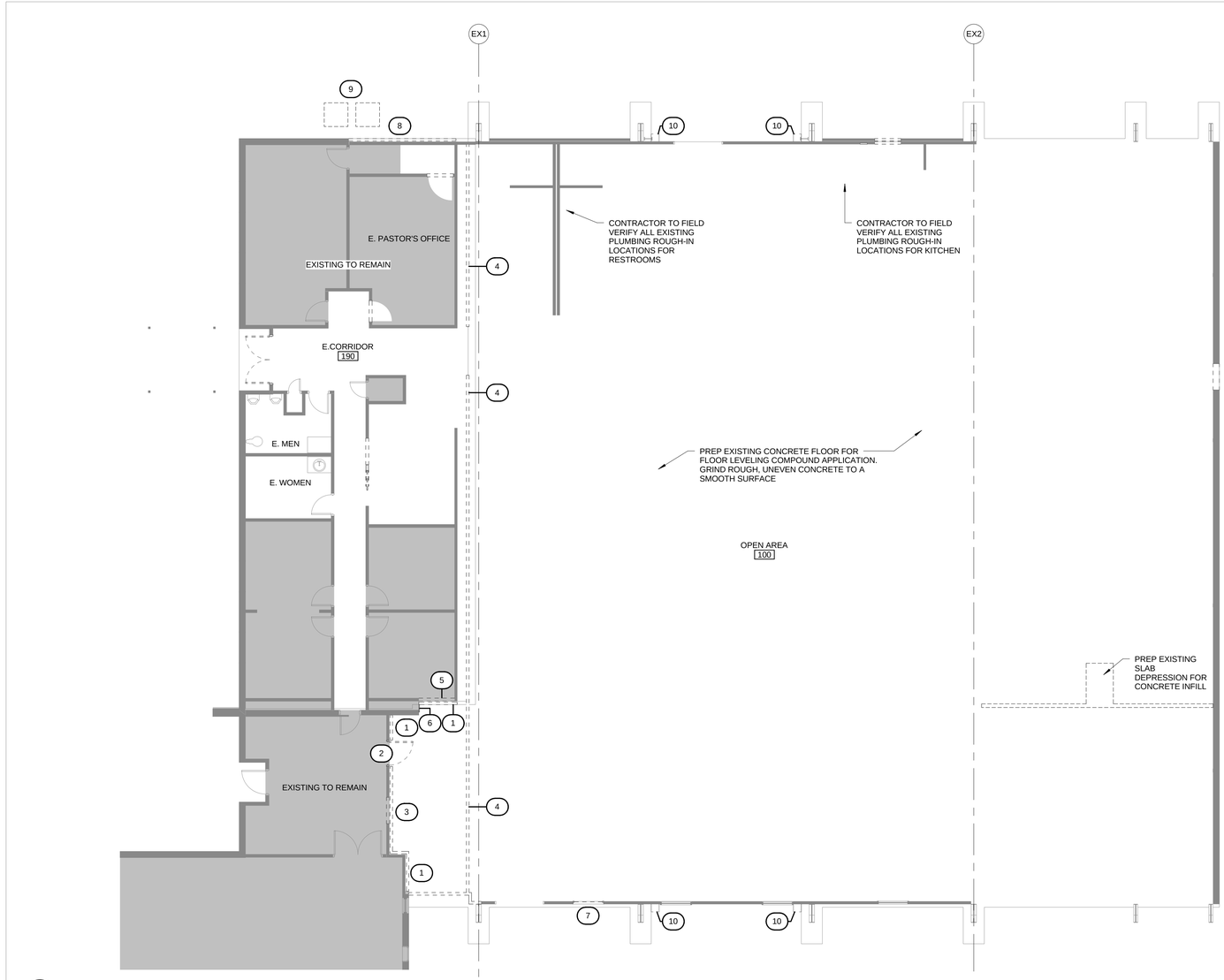
DEMOLITION KEYNOTES	
#	Description
1	REMOVE EXISTING BRICK, SHEATHING AND VAPOR BARRIER
2	REMOVE SECTION OF EXISTING WALL AS REQUIRED FOR INSTALLATION OF NEW DOOR OPENING. PATCH AND REPAIR REMAINING ADJACENT SURFACES
3	REMOVE EXISTING DOOR/WINDOW, FRAME AND ASSOCIATED HARDWARE. INFILL TO MATCH EXISTING ADJACENT WALL CONSTRUCTION AND FINISH
4	REMOVE EXISTING WALLS/DOORS
5	REMOVE EXISTING INTERIOR PANELING AND INSULATION, EXISTING WOOD STUDS TO REMAIN
6	REMOVE EXISTING EXPANSION JOINT COVER
7	EXISTING WINDOW TO BE REMOVED AND RELOCATED
8	REMOVE EXISTING MASONRY VENEER
9	EXISTING HVAC UNITS AND REFRIGERANT LINES TO BE RELOCATED
10	REMOVE EXISTING PORTION OF CONCRETE BRICK LUG


EX1
EX2
E. PASTOR'S OFFICE
EXISTING TO REMAIN
E.CORRIDOR
190
E. MEN
E. WOMEN
EXISTING TO REMAIN
OPEN AREA
100
CONTRACTOR TO FIELD VERIFY ALL EXISTING PLUMBING ROUGH-IN LOCATIONS FOR RESTROOMS
CONTRACTOR TO FIELD VERIFY ALL EXISTING PLUMBING ROUGH-IN LOCATIONS FOR KITCHEN
PREP EXISTING CONCRETE FLOOR FOR FLOOR LEVELING COMPOUND APPLICATION. GRIND ROUGH, UNEVEN CONCRETE TO A SMOOTH SURFACE
PREP EXISTING SLAB DEPRESSION FOR CONCRETE INFILL

A6 DEMOLITION PLAN
1/8" = 1'-0"

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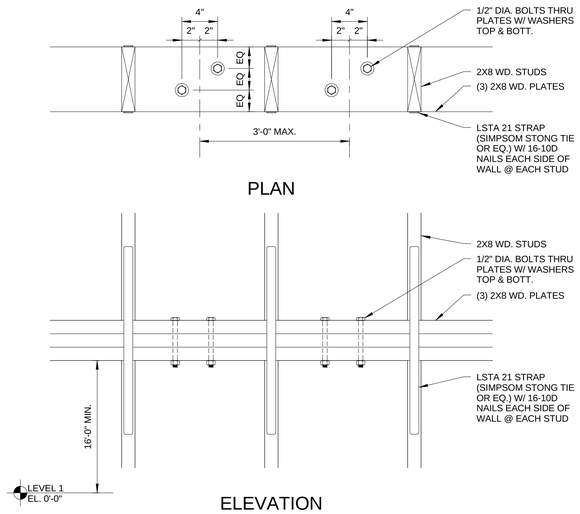
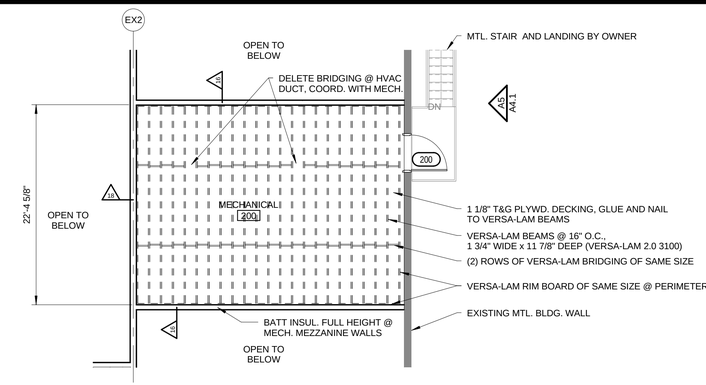


H1 WOOD STUD HORIZONTAL SPLICE DETAIL

1 1/2" = 1'-0"

CONSTRUCTION LEGEND

- BRICK VENEER (REFER TO WALL TYPES)
- EXISTING WALLS TO REMAIN
- EXISTING DOORS TO REMAIN
- EXISTING TO REMAIN

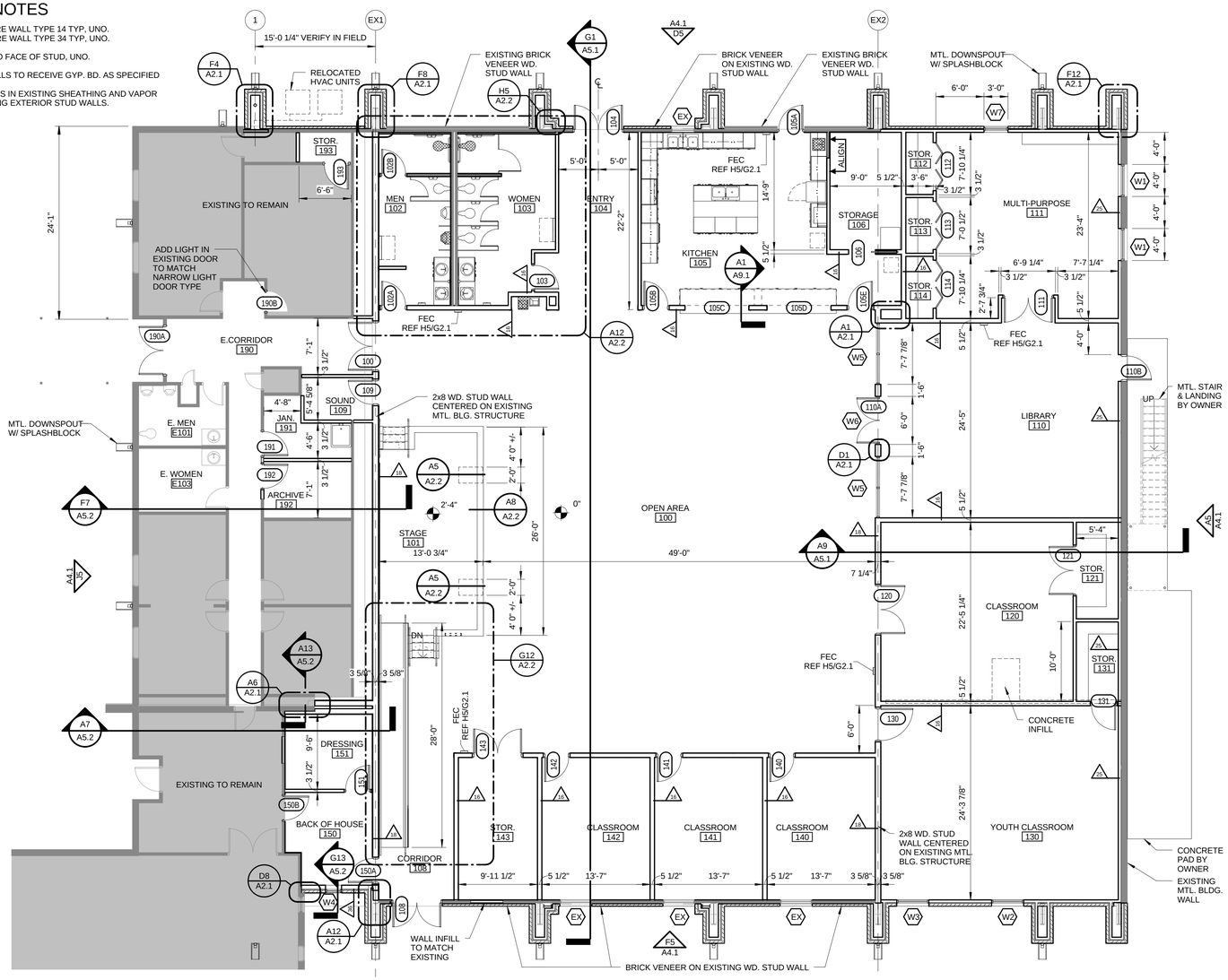

EX2
OPEN TO BELOW
MTL. STAIR AND LANDING BY OWNER
DELETE BRIDGING @ HVAC DUCT, COORD. WITH MECH.
DN
A5 A4.1
200
22'-4 9/8"
OPEN TO BELOW
MECHANICAL
200
1 1/8" T&G PLYWD. DECKING, GLUE AND NAIL TO VERSA-LAM BEAMS
VERSA-LAM BEAMS @ 16" O.C., 1 3/4" WIDE x 11 7/8" DEEP (VERSA-LAM 2.0 3100)
(2) ROWS OF VERSA-LAM BRIDGING OF SAME SIZE
VERSA-LAM RIM BOARD OF SAME SIZE @ PERIMETER
EXISTING MTL. BLDG. WALL
BATT INSUL. FULL HEIGHT @ MECH. MEZZANINE WALLS
OPEN TO BELOW

J12 MECHANICAL MEZZANINE

1/8" = 1'-0"

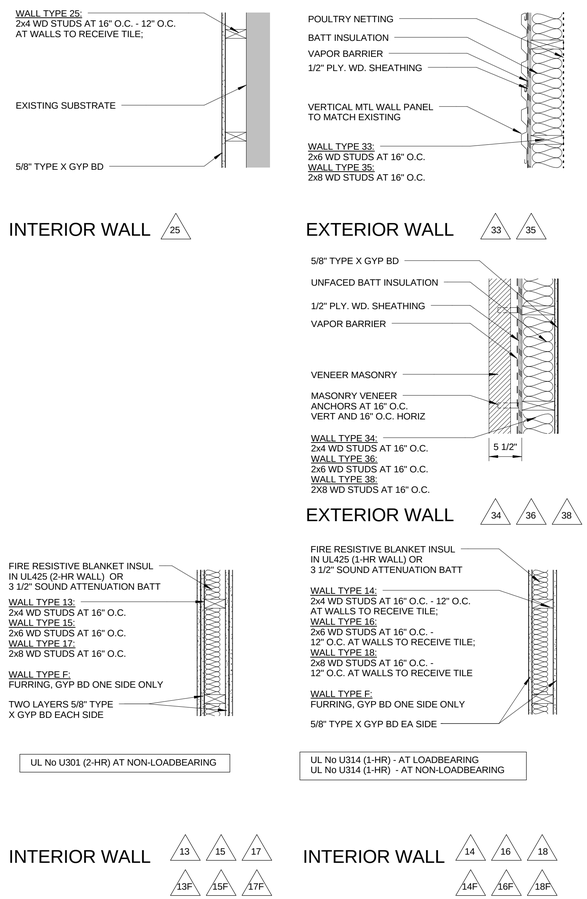
GENERAL NOTES

1. INTERIOR WALLS ARE WALL TYPE 14 TYP, UNO. EXTERIOR WALLS ARE WALL TYPE 34 TYP, UNO.
2. DIMENSIONS ARE TO FACE OF STUD, UNO.
3. EXISTING STUD WALLS TO RECEIVE GYP. BD. AS SPECIFIED
4. REPAIR/INFILL HOLES IN EXISTING SHEATHING AND VAPOR BARRIER AT EXISTING EXTERIOR STUD WALLS.



A6 FLOOR PLAN

1/8" = 1'-0"


WALL TYPE 25:
2x4 WD STUDS AT 16" O.C. - 12" O.C. AT WALLS TO RECEIVE TILE;
EXISTING SUBSTRATE
5/8" TYPE X GYP BD
INTERIOR WALL 25
POULTRY NETTING
BATT INSULATION
VAPOR BARRIER
1/2" PLY. WD. SHEATHING
VERTICAL MTL WALL PANEL TO MATCH EXISTING
WALL TYPE 33:
2x6 WD STUDS AT 16" O.C.
WALL TYPE 35:
2x8 WD STUDS AT 16" O.C.
EXTERIOR WALL 33 35
5/8" TYPE X GYP BD
UNFACED BATT INSULATION
1/2" PLY. WD. SHEATHING
VAPOR BARRIER
VENEER MASONRY
MASONRY VENEER ANCHORS AT 16" O.C. VERT AND 16" O.C. HORIZ
5 1/2"
WALL TYPE 34:
2x4 WD STUDS AT 16" O.C.
WALL TYPE 36:
2x6 WD STUDS AT 16" O.C.
WALL TYPE 38:
2X8 WD STUDS AT 16" O.C.
EXTERIOR WALL 34 36 38
FIRE RESISTIVE BLANKET INSUL IN UL425 (2-HR WALL) OR 3 1/2" SOUND ATTENUATION BATT
WALL TYPE 13:
2x4 WD STUDS AT 16" O.C.
WALL TYPE 15:
2x6 WD STUDS AT 16" O.C.
WALL TYPE 17:
2x8 WD STUDS AT 16" O.C.
WALL TYPE F:
FURRING, GYP BD ONE SIDE ONLY
TWO LAYERS 5/8" TYPE X GYP BD EACH SIDE
UL No U301 (2-HR) AT NON-LOADBEARING
FIRE RESISTIVE BLANKET INSUL IN UL425 (1-HR WALL) OR 3 1/2" SOUND ATTENUATION BATT
WALL TYPE 14:
2x4 WD STUDS AT 16" O.C. - 12" O.C. AT WALLS TO RECEIVE TILE;
WALL TYPE 16:
2x6 WD STUDS AT 16" O.C. - 12" O.C. AT WALLS TO RECEIVE TILE;
WALL TYPE 18:
2x8 WD STUDS AT 16" O.C. - 12" O.C. AT WALLS TO RECEIVE TILE
WALL TYPE F:
FURRING, GYP BD ONE SIDE ONLY
5/8" TYPE X GYP BD EA SIDE
UL No U314 (1-HR) - AT LOADBEARING
UL No U314 (1-HR) - AT NON-LOADBEARING
INTERIOR WALL 13 15 17 13F 15F 17F
INTERIOR WALL 14 16 18 14F 16F 18F

A1 WALL TYPES

1" = 1'-0"

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FLOOR PLAN

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A1.1

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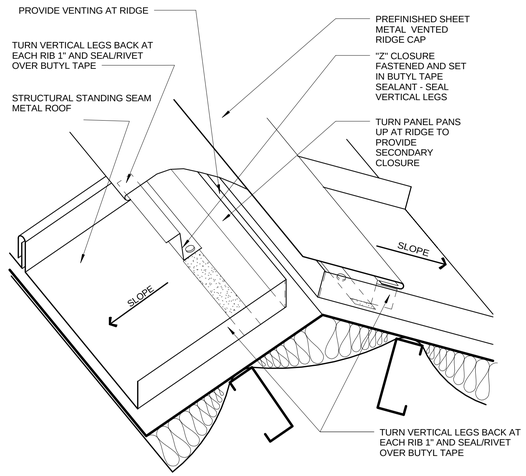
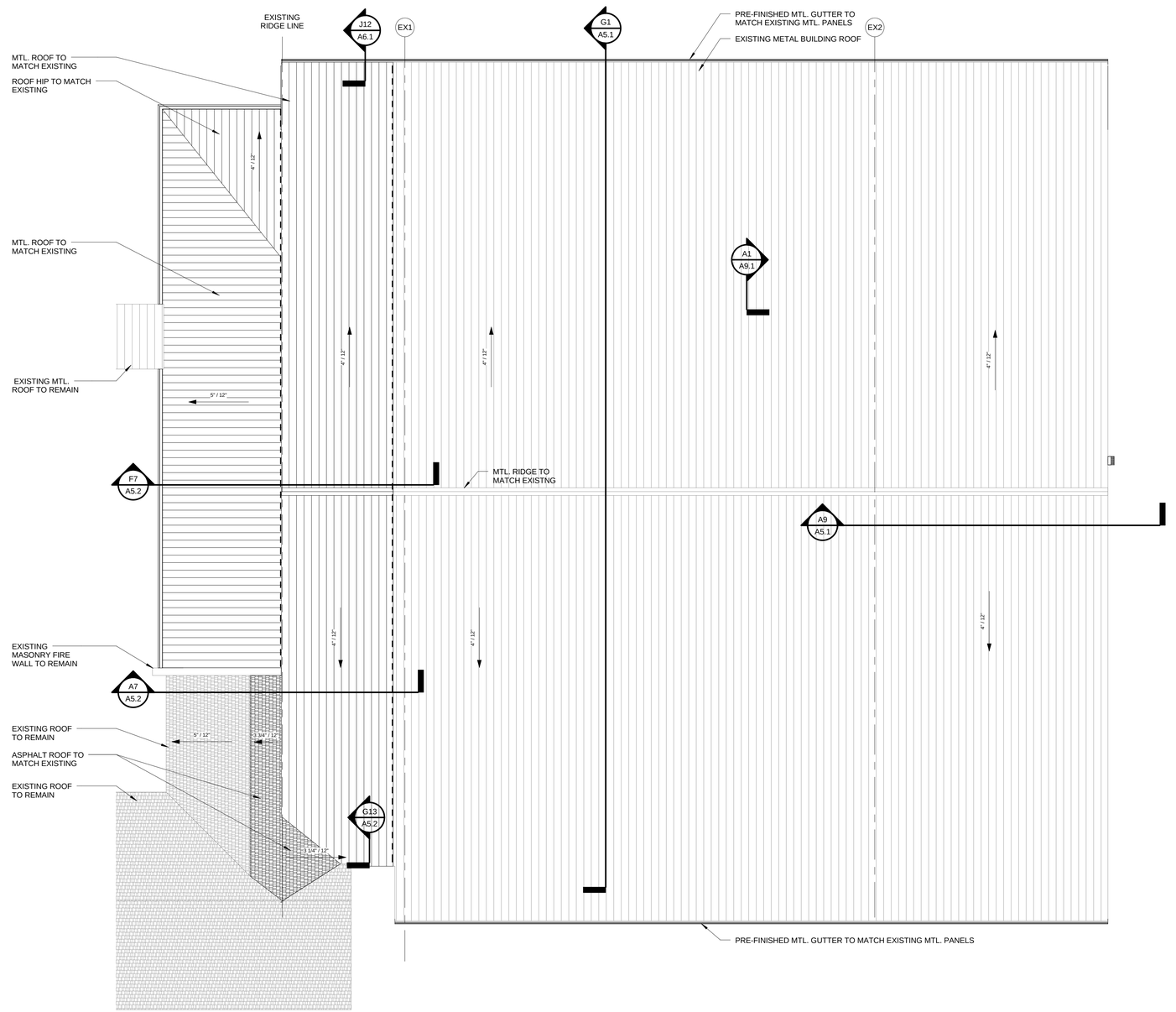

PROVIDE VENTING AT RIDGE
TURN VERTICAL LEGS BACK AT EACH RIB 1" AND SEAL/RIVET OVER BUTYL TAPE
STRUCTURAL STANDING SEAM METAL ROOF
PREFINISHED SHEET METAL VENTED RIDGE CAP
"Z" CLOSURE FASTENED AND SET IN BUTYL TAPE SEALANT - SEAL VERTICAL LEGS
TURN PANEL PANS UP AT RIDGE TO PROVIDE SECONDARY CLOSURE
SLOPE
SLOPE
TURN VERTICAL LEGS BACK AT EACH RIB 1" AND SEAL/RIVET OVER BUTYL TAPE

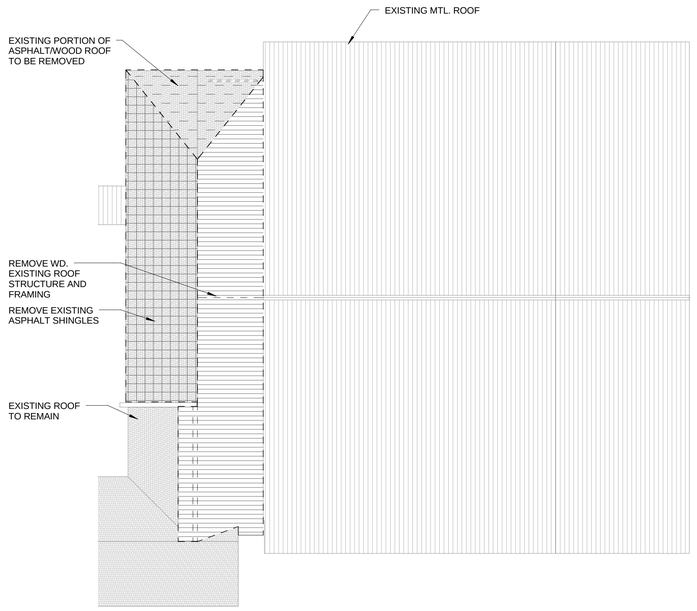
H2 RIDGE CAP DETAIL
3" = 1'-0"

ROOF LEGEND

- ASPHALT SHINGLE ROOFING
- STANDING SEAM MTL ROOFING
- 1:12 → ROOF SLOPE DIRECTION (1/4"/FT MIN AT BUR, AND 1:12/3:12 AT MTL ROOFING, UON.)
- LINE OF ROOF EJ.



A6 ROOF PLAN
1/8" = 1'-0"


EXISTING MTL. ROOF
EXISTING PORTION OF ASPHALT/WOOD ROOF TO BE REMOVED
REMOVE WD. EXISTING ROOF STRUCTURE AND FRAMING
REMOVE EXISTING ASPHALT SHINGLES
EXISTING ROOF TO REMAIN

A1 ROOF DEMOLITION PLAN
1/16" = 1'-0"

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SHEET NAME
ROOF PLAN

SHEET NUMBER
A1.2

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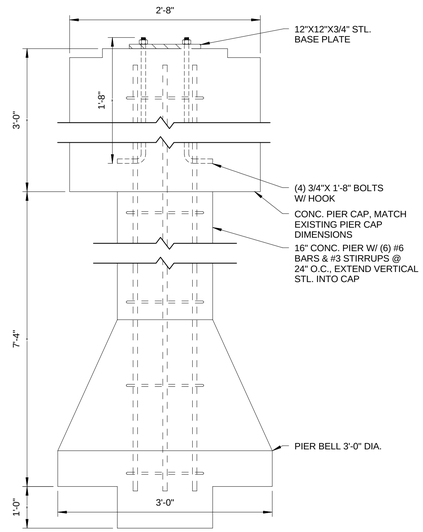
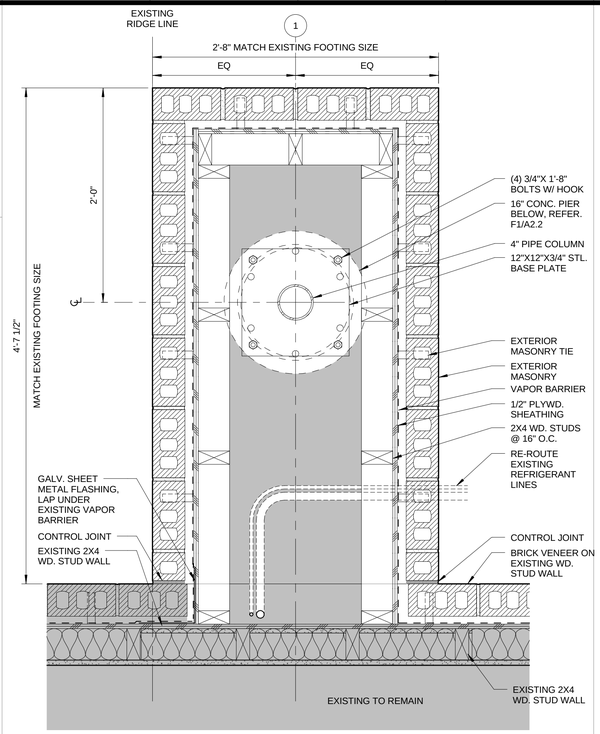
CONSTRUCTION LEGEND

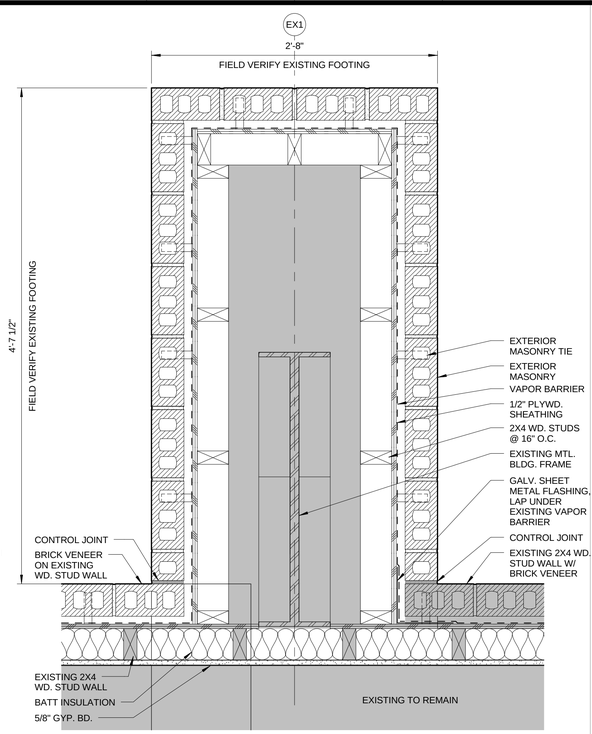
- BRICK VENEER (REFER TO WALL TYPES)
- EXISTING WALLS TO REMAIN
- EXISTING DOORS TO REMAIN
- EXISTING TO REMAIN


2'-8"
12"X12"X3/4" STL. BASE PLATE
1'-8"
3'-0"
(4) 3/4"X 1'-8" BOLTS W/ HOOK
CONC. PIER CAP, MATCH EXISTING PIER CAP DIMENSIONS
16" CONC. PIER W/ (6) #6 BARS & #3 STIRRUPS @ 24" O.C., EXTEND VERTICAL STL. INTO CAP
7'-4"
PIER BELL 3'-0" DIA.
1'-0"
3'-0"

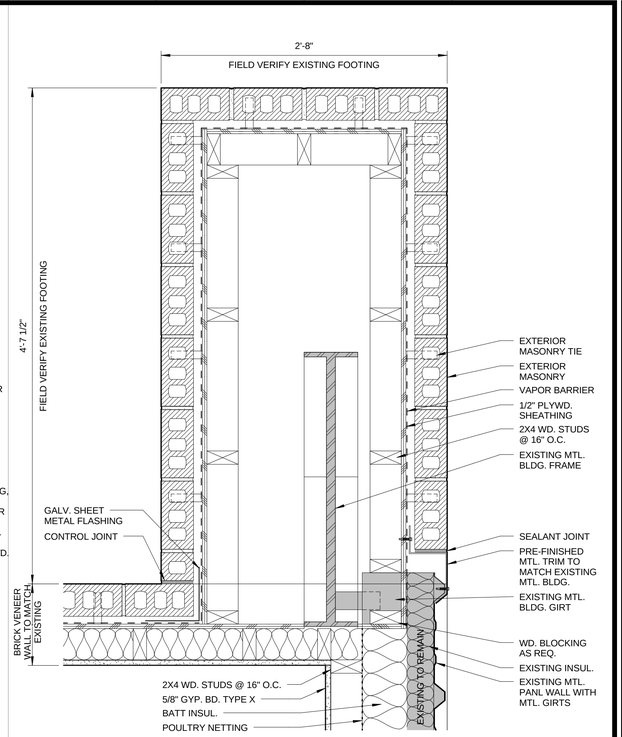
F1 PIER DETAIL
1" = 1'-0"



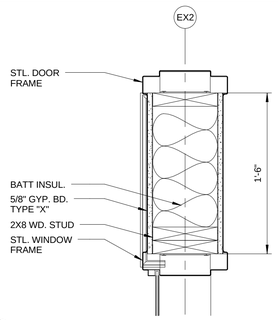
F4 PLAN DETAIL
1 1/2" = 1'-0"



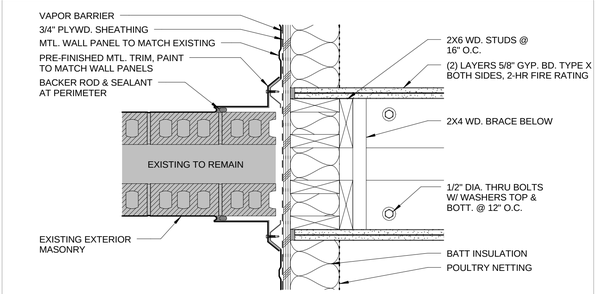
F8 PLAN DETAIL
1 1/2" = 1'-0"



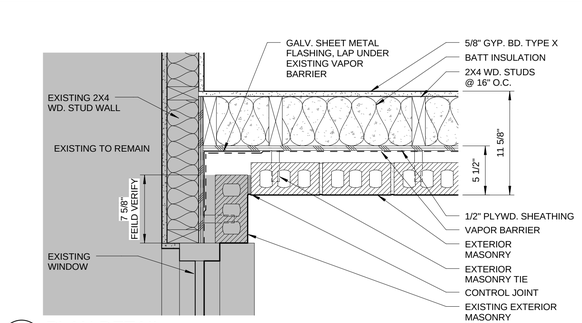
F12 PLAN DETAIL
1 1/2" = 1'-0"



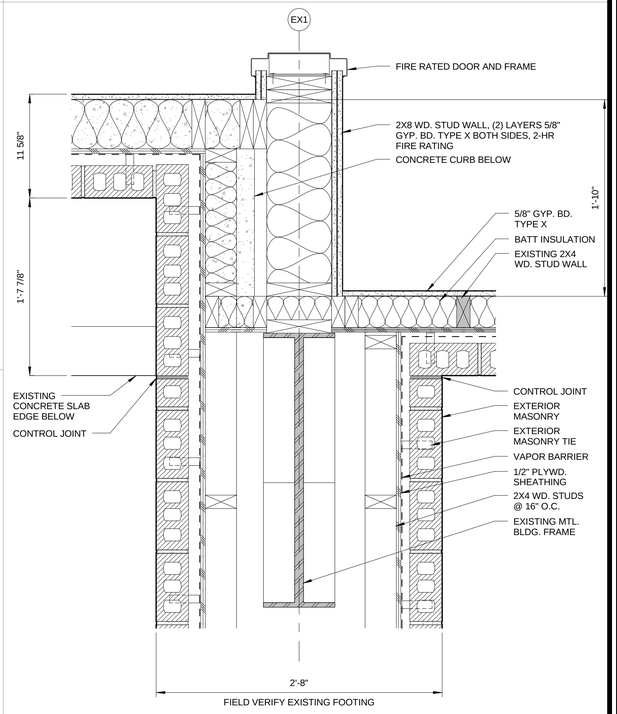
D1 PLAN DETAIL
1 1/2" = 1'-0"


VAPOR BARRIER
3/4" PLYWD. SHEATHING
MTL. WALL PANEL TO MATCH EXISTING
PRE-FINISHED MTL. TRIM, PAINT TO MATCH WALL PANELS
BACKER ROD & SEALANT AT PERIMETER
2X6 WD. STUDS @ 16" O.C.
(2) LAYERS 5/8" GYP. BD. TYPE X BOTH SIDES, 2-HR FIRE RATING
2X4 WD. BRACE BELOW
EXISTING TO REMAIN
1/2" DIA. THRU BOLTS W/ WASHERS TOP & BOTT. @ 12" O.C.
EXISTING EXTERIOR MASONRY
BATT INSULATION
POULTRY NETTING

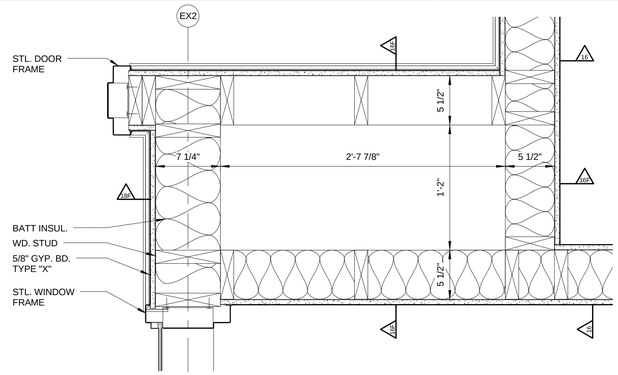
D4 PLAN DETAIL
1 1/2" = 1'-0"



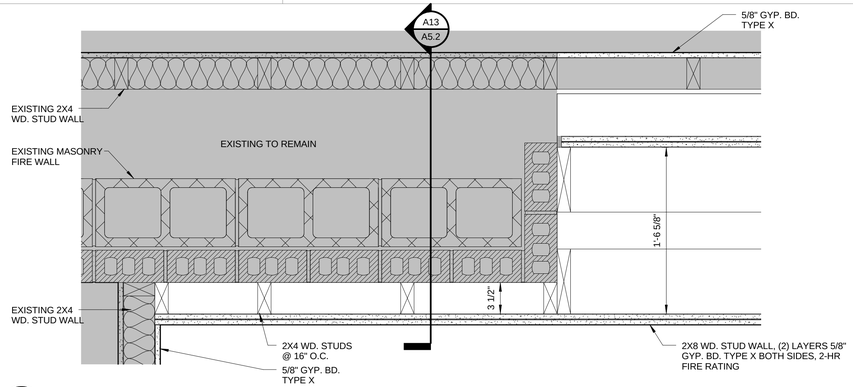
D8 PLAN DETAIL
1 1/2" = 1'-0"



A12 PLAN DETAIL
1 1/2" = 1'-0"



A1 PLAN DETAIL
1 1/2" = 1'-0"


A13
A5.2
5/8" GYP. BD. TYPE X
EXISTING 2X4 WD. STUD WALL
EXISTING MASONRY FIRE WALL
EXISTING TO REMAIN
1'-6 5/8"
3 1/2"
EXISTING 2X4 WD. STUD WALL
2X4 WD. STUDS @ 16" O.C.
5/8" GYP. BD. TYPE X
2X8 WD. STUD WALL, (2) LAYERS 5/8" GYP. BD. TYPE X BOTH SIDES, 2-HR FIRE RATING

A6 PLAN DETAIL
1 1/2" = 1'-0"

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SHEET NAME
PLAN DETAILS

SHEET NUMBER
A2.1

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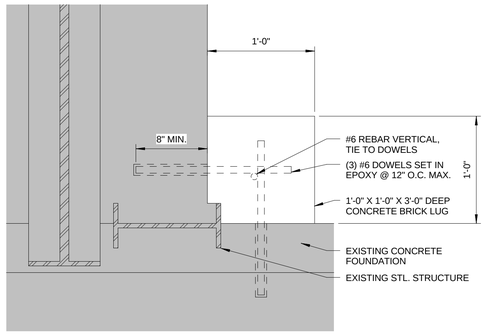
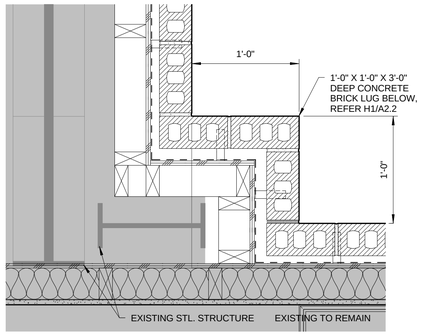
NOTE:
1. CONNECT CONCRETE BRICK LUG TO EXISTING ADJACENT FOUNDATIONS W/ #6 REBAR EPOXY COATED DOWELS
2. (4) INSTANCES, TYPICAL AT MOMENT FRAME LOCATION

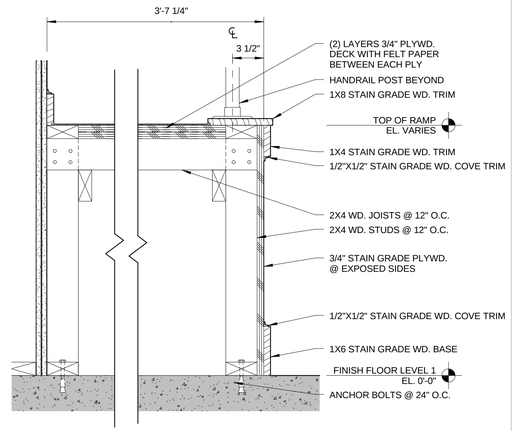

1'-0"
8" MIN.
#6 REBAR VERTICAL, TIE TO DOWELS
(3) #6 DOWELS SET IN EPOXY @ 12" O.C. MAX.
1'-0" X 1'-0" X 3'-0" DEEP CONCRETE BRICK LUG
1'-0"
EXISTING CONCRETE FOUNDATION
EXISTING STL. STRUCTURE

H1 LUG DETAIL
1 1/2" = 1'-0"

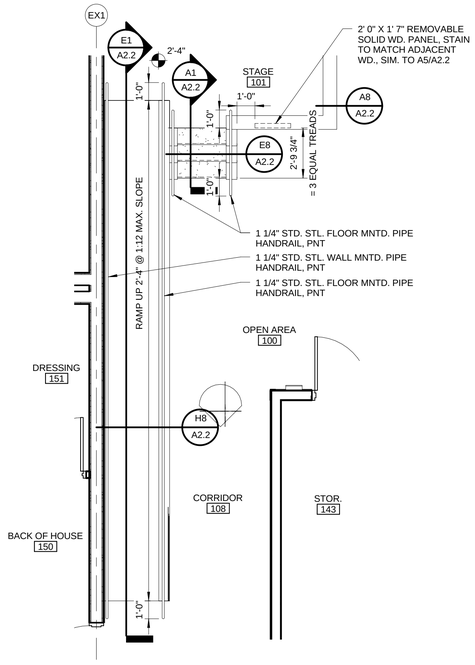
NOTE:
1. CONNECT CONCRETE BRICK LUG TO EXISTING ADJACENT FOUNDATIONS W/ #6 REBAR EPOXY COATED DOWELS
2. (4) INSTANCES, TYPICAL AT MOMENT FRAME LOCATION



H5 PLAN DETAIL
1 1/2" = 1'-0"


3'-7 1/4"
3 1/2"
(2) LAYERS 3/4" PLYWD. DECK WITH FELT PAPER BETWEEN EACH PLY
HANDRAIL POST BEYOND
1X8 STAIN GRADE WD. TRIM
TOP OF RAMP EL. VARIES
1X4 STAIN GRADE WD. TRIM
1/2"X1/2" STAIN GRADE WD. COVE TRIM
2X4 WD. JOISTS @ 12" O.C.
2X4 WD. STUDS @ 12" O.C.
3/4" STAIN GRADE PLYWD. @ EXPOSED SIDES
1/2"X1/2" STAIN GRADE WD. COVE TRIM
1X6 STAIN GRADE WD. BASE
FINISH FLOOR LEVEL 1 EL. 0'-0"
ANCHOR BOLTS @ 24" O.C.

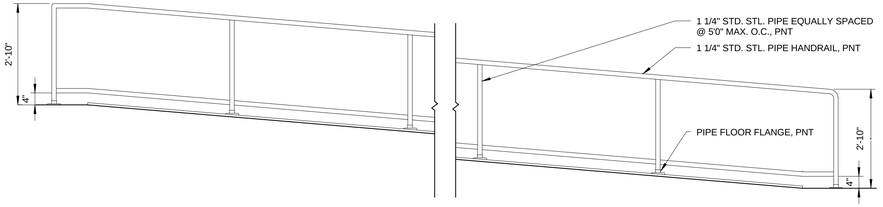
H8 SECTION DETAIL
1 1/2" = 1'-0"



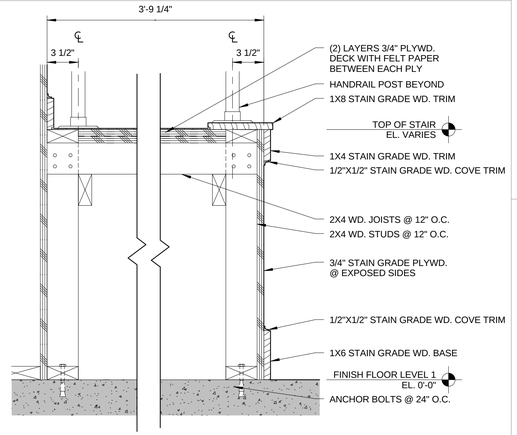
G12 ENLARGED PLAN
1/4" = 1'-0"

RESTROOM ACCESSORY SCHEDULE

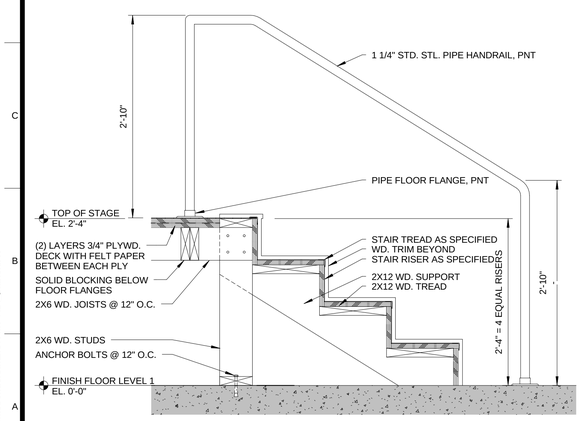
MARK	NAME	DESRIPTION & MOUNTING	COUNT
A	GRAB BAR, 42"	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	2
B	GRAB BAR, 36"	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	2
C	PAPER TOWEL DISPENSER	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	2
D	TOILET TISSUE DISPENSER	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	6
E	MIRROR	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	4
F	SOAP DISPENSER	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	2
G	BABY CHANGING STATION	KB200 KOALA CARE HORIZONTAL WALL MOUNTED	2



E1 RAMP SECTION
1/2" = 1'-0"

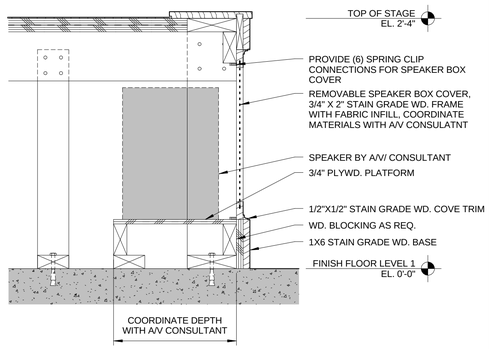

3'-9 1/4"
3 1/2"
3 1/2"
(2) LAYERS 3/4" PLYWD. DECK WITH FELT PAPER BETWEEN EACH PLY
HANDRAIL POST BEYOND
1X8 STAIN GRADE WD. TRIM
TOP OF STAIR EL. VARIES
1X4 STAIN GRADE WD. TRIM
1/2"X1/2" STAIN GRADE WD. COVE TRIM
2X4 WD. JOISTS @ 12" O.C.
2X4 WD. STUDS @ 12" O.C.
3/4" STAIN GRADE PLYWD. @ EXPOSED SIDES
1/2"X1/2" STAIN GRADE WD. COVE TRIM
1X6 STAIN GRADE WD. BASE
FINISH FLOOR LEVEL 1 EL. 0'-0"
ANCHOR BOLTS @ 24" O.C.

E8 SECTION DETAIL
1 1/2" = 1'-0"

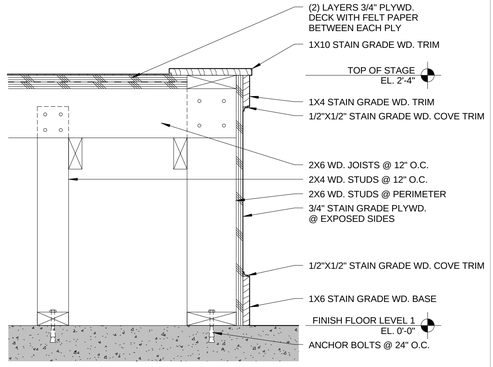

1 1/4" STD. STL. PIPE HANDRAIL, PNT
2'-10"
PIPE FLOOR FLANGE, PNT
TOP OF STAGE EL. 2'-4"
(2) LAYERS 3/4" PLYWD. DECK WITH FELT PAPER BETWEEN EACH PLY
SOLID BLOCKING BELOW FLOOR FLANGES
2X6 WD. JOISTS @ 12" O.C.
STAIR TREAD AS SPECIFIED WD. TRIM BEYOND
STAIR RISER AS SPECIFIED
2X12 WD. SUPPORT
2X12 WD. TREAD
2'-4" = 4 EQUAL RISERS
2'-10"
2X6 WD. STUDS
ANCHOR BOLTS @ 12" O.C.
FINISH FLOOR LEVEL 1 EL. 0'-0"

A1 STAIR SECTION
1" = 1'-0"

NOTES:
1. REFER A8/A2.2 FOR TYPICAL STAGE CONSTRUCTION NOTES.
2. COORDINATE SPEAKER BOX SIZE AND LOCATION WITH A/V CONSULTANT.

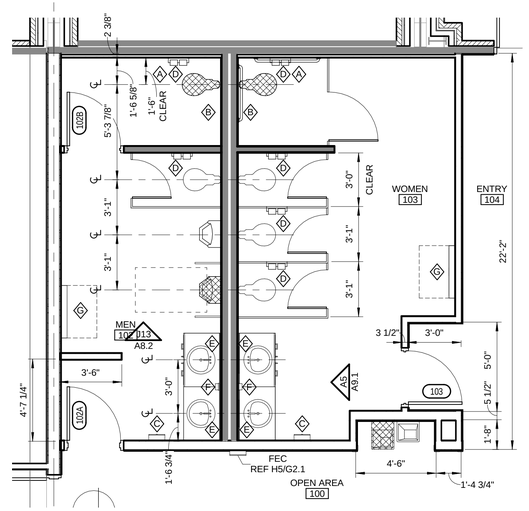

TOP OF STAGE EL. 2'-4"
PROVIDE (6) SPRING CLIP CONNECTIONS FOR SPEAKER BOX COVER
REMOVABLE SPEAKER BOX COVER, 3/4" X 2" STAIN GRADE WD. FRAME WITH FABRIC INFILL, COORDINATE MATERIALS WITH A/V CONSULATNT
SPEAKER BY A/V/ CONSULTANT
3/4" PLYWD. PLATFORM
1/2"X1/2" STAIN GRADE WD. COVE TRIM
WD. BLOCKING AS REQ.
1X6 STAIN GRADE WD. BASE
FINISH FLOOR LEVEL 1 EL. 0'-0"
COORDINATE DEPTH WITH A/V CONSULTANT

A5 SECTION DETAIL
1 1/2" = 1'-0"


(2) LAYERS 3/4" PLYWD. DECK WITH FELT PAPER BETWEEN EACH PLY
1X10 STAIN GRADE WD. TRIM
TOP OF STAGE EL. 2'-4"
1X4 STAIN GRADE WD. TRIM
1/2"X1/2" STAIN GRADE WD. COVE TRIM
2X6 WD. JOISTS @ 12" O.C.
2X4 WD. STUDS @ 12" O.C.
2X6 WD. STUDS @ PERIMETER
3/4" STAIN GRADE PLYWD. @ EXPOSED SIDES
1/2"X1/2" STAIN GRADE WD. COVE TRIM
1X6 STAIN GRADE WD. BASE
FINISH FLOOR LEVEL 1 EL. 0'-0"
ANCHOR BOLTS @ 24" O.C.

A8 SECTION DETAIL
1 1/2" = 1'-0"

NOTE:
1. COORDINATE PLUMBING FIXTURES WITH EXISTING PLUMBING ROUGH-INS
2. TOILET PARTITIONS ARE OWNER PROVIDED, CONTRACTOR INSTALLED



A12 ENLARGED PLAN RESTROOMS
1/4" = 1'-0"

RMA
Rawley McCoy & Associates
ARCHITECTS AND INTERIOR DESIGNERS

RAWLEY McCOY
REGISTERED ARCHITECT
REGISTRATION NO. 6123
STATE OF TEXAS

Final Plans for Bidding and Construction

REGISTERED ARCHITECT RAWLEY McCOY 6123 STATE OF TEXAS
03-11-15

ADDITION
ZION LUTHERAN CHURCH
VICTORIA, TX

DATE ISSUED:
Issue Date

PROJECT NUMBER:
1014 743

PLAN NORTH / TRUE NORTH

SHEET NAME
ENLARGED PLANS & DETAILS

SHEET NUMBER
A2.2

3/11/2015 11:17:39 AM
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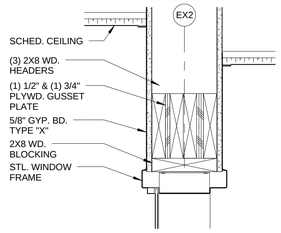
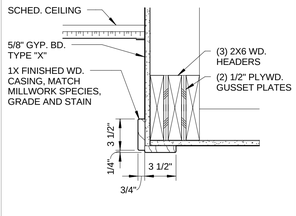
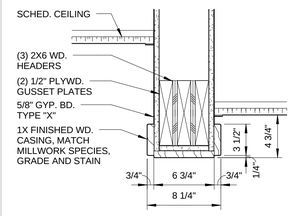


K1 SD_STRFRT_HEAD
1 1/2" = 1'-0"



K3 CEILING DETAIL
1 1/2" = 1'-0"



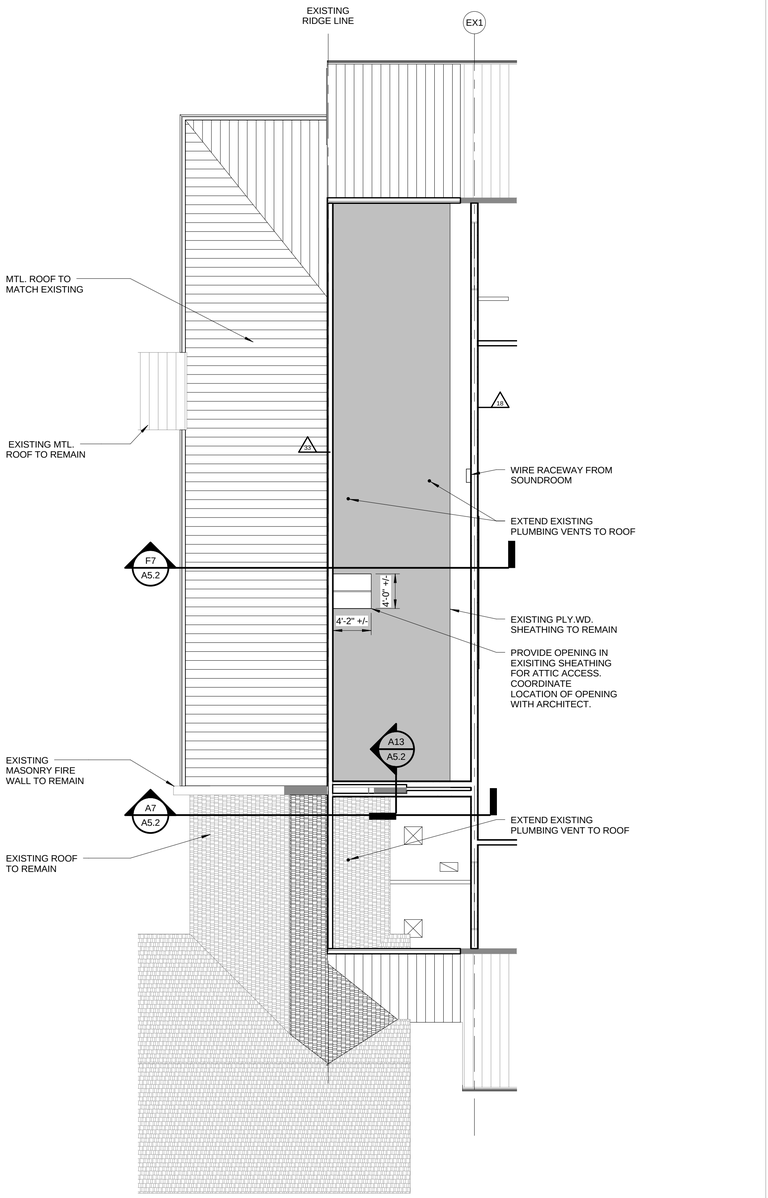
K5 CEILING DETAIL
1 1/2" = 1'-0"

CEILING LEGEND

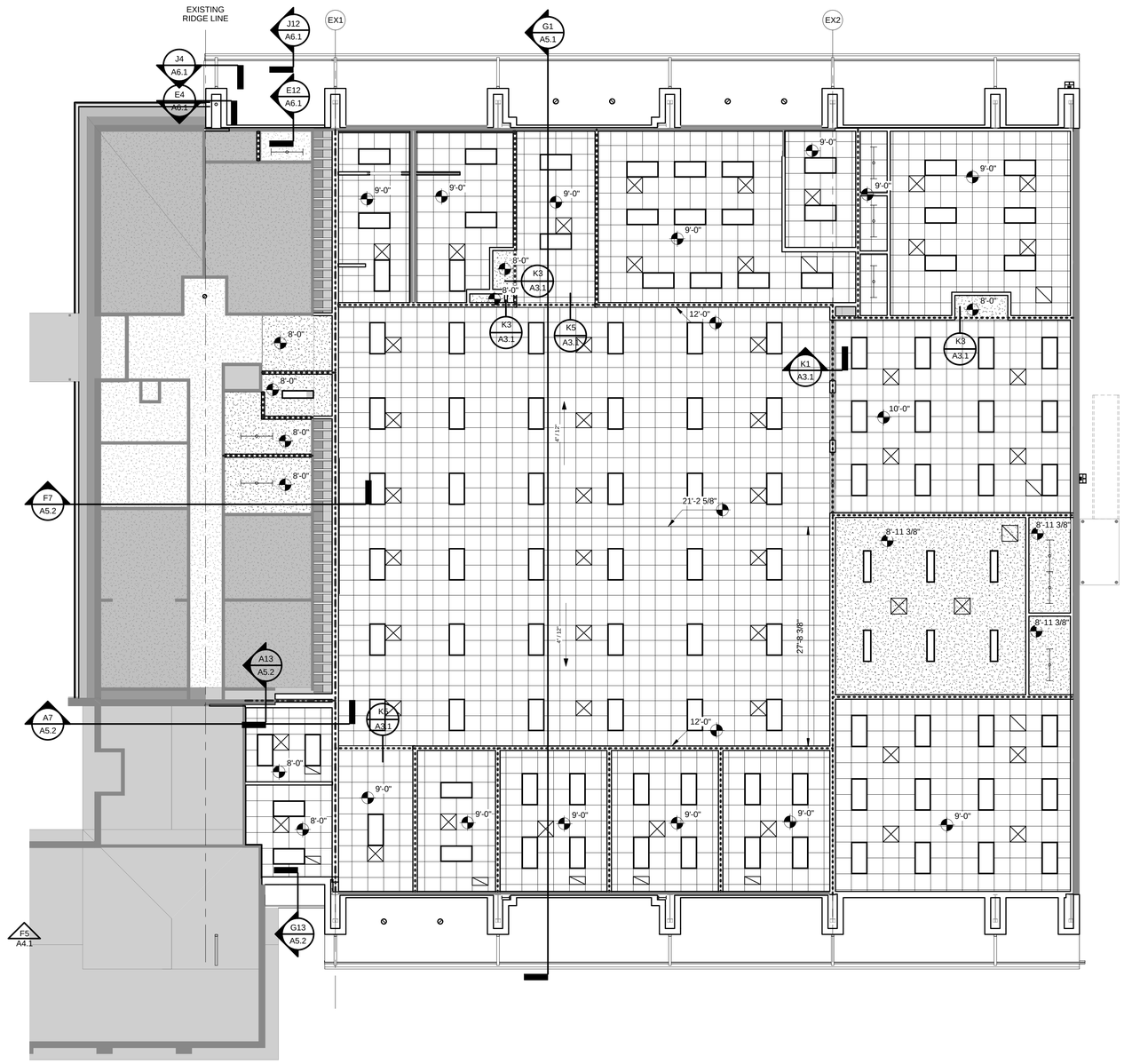
- ACOUSTICAL PANEL CEILING SYSTEM. REF MATERIAL SCHEDULE FOR TYPES.
- SUSPENDED GYP BD CEILING SYSTEM OR GYP BD BULKHEAD REF DWGS. PAINT MARK "P1" U.O.N..
- EXPOSED STRUCTURE
- 10'-0" ELEVATION HEIGHT SYMBOL INDICATES HEIGHT ABOVE FINISH FLOOR
- SUPPLY AND RETURN AIR GRILLS. REF MEP DOCS
- RECESSED 2' X 4' LIGHT FIXTURE REF MEP DOC
- RECESSED LIGHTING FIXTURE REF MEP DOC
- PENDANT MTD FIXTURE REF MEP DOC.
- PENDANT MTD FIXTURE REF MEP DOC.
- WALL MOUNTED LIGHT REFER TO MEP DWGS

WALL TO DECK LEGEND

- WALL TO DECK
- 2 HR RATED WALL


EXISTING RIDGE LINE
EX1
MTL. ROOF TO MATCH EXISTING
EXISTING MTL. ROOF TO REMAIN
WIRE RACEWAY FROM SOUNDROOM
EXTEND EXISTING PLUMBING VENTS TO ROOF
F7 A5.2
4'-0" +/-
4'-2" +/-
EXISTING PLY.WD. SHEATHING TO REMAIN
PROVIDE OPENING IN EXISITING SHEATHING FOR ATTIC ACCESS. COORDINATE LOCATION OF OPENING WITH ARCHITECT.
A13 A5.2
EXISTING MASONRY FIRE WALL TO REMAIN
A7 A5.2
EXTEND EXISTING PLUMBING VENT TO ROOF
EXISTING ROOF TO REMAIN

A1 WEST ATTIC PLAN
1/8" = 1'-0"



A7 LEVEL 1 REFLECTED CEILING PLAN
1/8" = 1'-0"

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ZION LUTHERAN CHURCH
VICTORIA, TX

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1014 743

PLAN NORTH
TRUE NORTH

SHEET NAME
REFLECTED CEILING PLAN & DETAILS

SHEET NUMBER
A3.1

3/11/2015 11:17:43 AM
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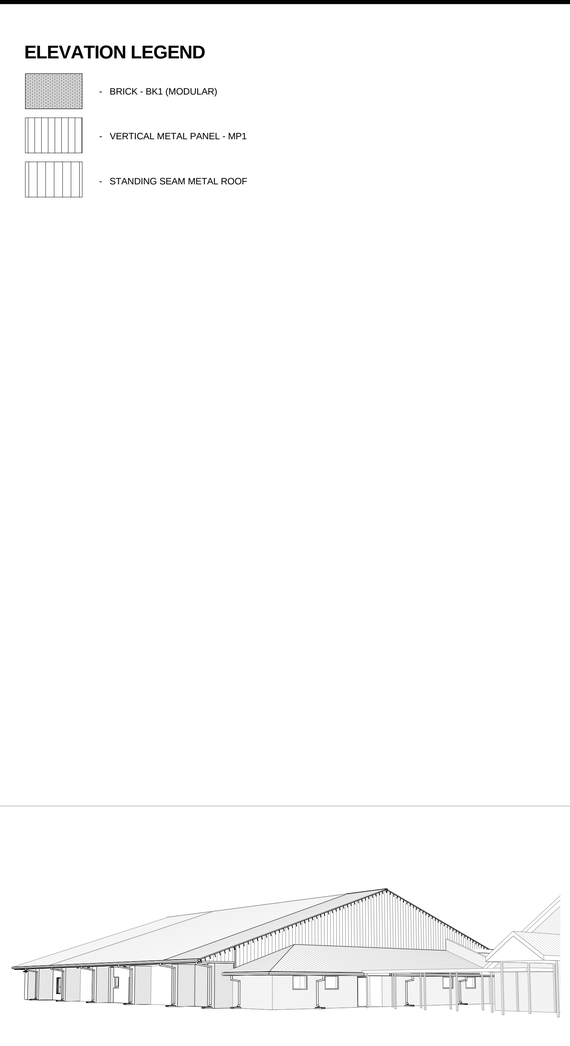
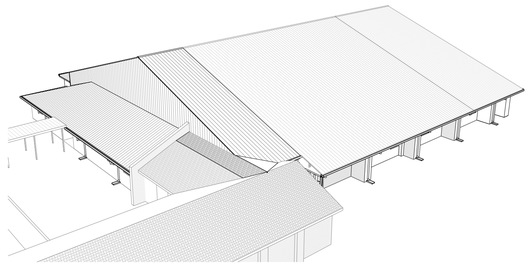
ELEVATION LEGEND

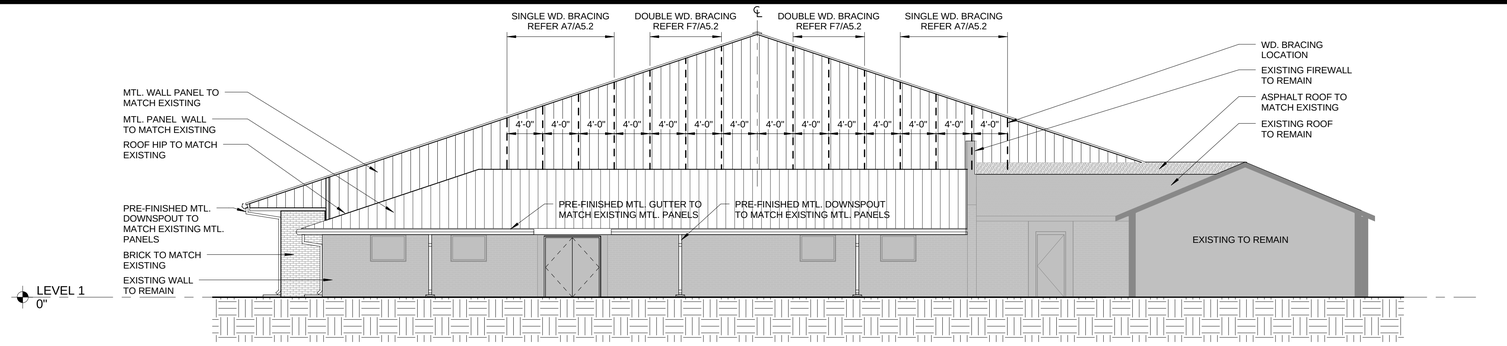
- BRICK - BK1 (MODULAR)
- VERTICAL METAL PANEL - MP1
- STANDING SEAM METAL ROOF



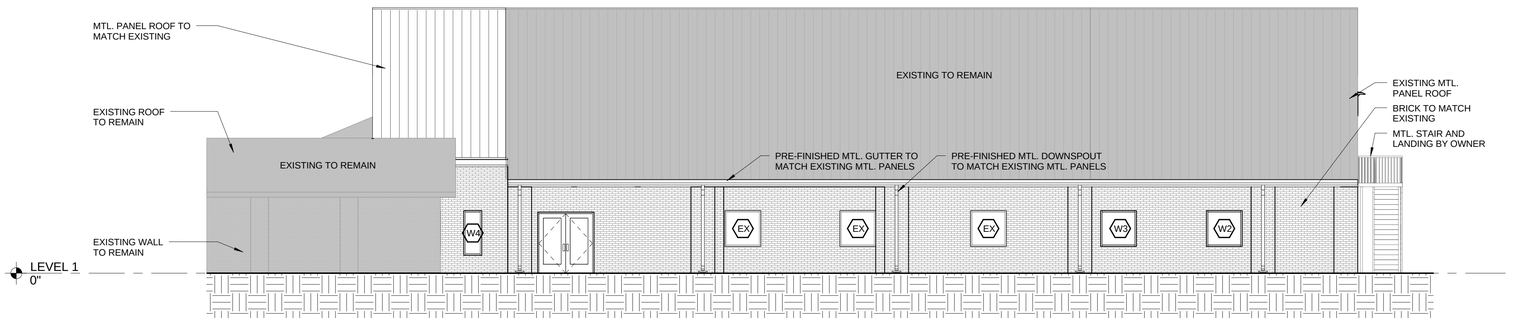
D1 PERSPECTIVE



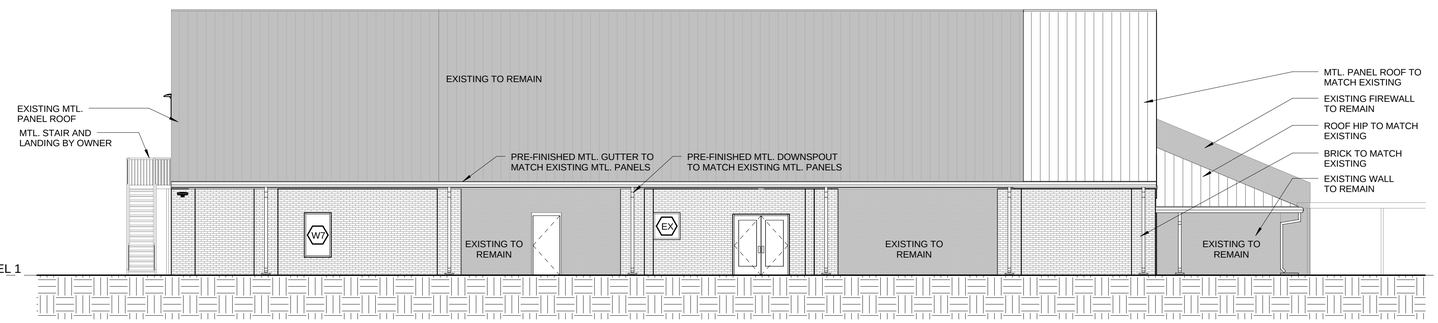
A1 PERSPECTIVE


SINGLE WD. BRACING REFER A7/A5.2
DOUBLE WD. BRACING REFER F7/A5.2
DOUBLE WD. BRACING REFER F7/A5.2
SINGLE WD. BRACING REFER A7/A5.2
WD. BRACING LOCATION
EXISTING FIREWALL TO REMAIN
ASPHALT ROOF TO MATCH EXISTING
EXISTING ROOF TO REMAIN
MTL. WALL PANEL TO MATCH EXISTING
MTL. PANEL WALL TO MATCH EXISTING
ROOF HIP TO MATCH EXISTING
4'-0"
PRE-FINISHED MTL. GUTTER TO MATCH EXISTING MTL. PANELS
PRE-FINISHED MTL. DOWNSPOUT TO MATCH EXISTING MTL. PANELS
PRE-FINISHED MTL. DOWNSPOUT TO MATCH EXISTING MTL. PANELS
BRICK TO MATCH EXISTING
EXISTING WALL TO REMAIN
EXISTING TO REMAIN
LEVEL 1
0"

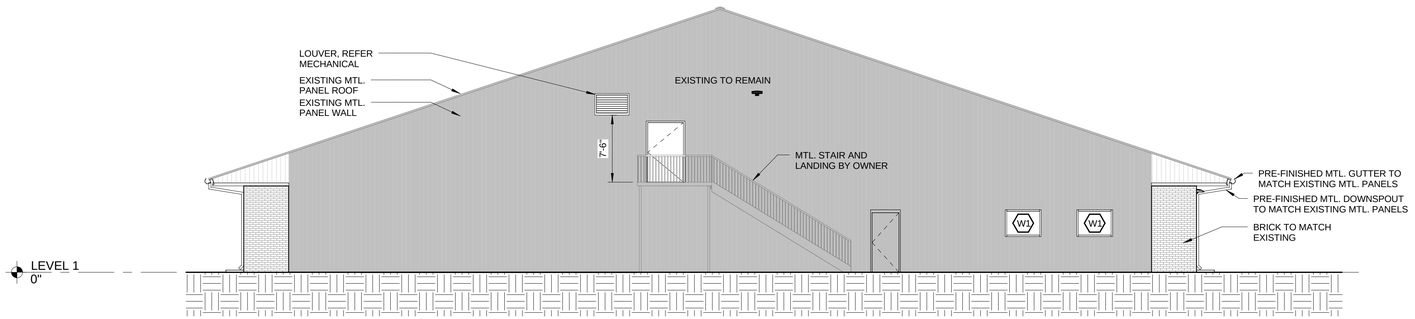
J5 EXTERIOR ELEVATION WEST
1/8" = 1'-0"



F5 EXTERIOR ELEVATION SOUTH
1/8" = 1'-0"



D5 EXTERIOR ELEVATION NORTH
1/8" = 1'-0"



A5 EXTERIOR ELEVATION EAST
1/8" = 1'-0"

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ZION LUTHERAN CHURCH
VICTORIA, TX

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PLAN NORTH | TRUE NORTH

SHEET NAME
EXTERIOR ELEVATIONS

SHEET NUMBER
A4.1

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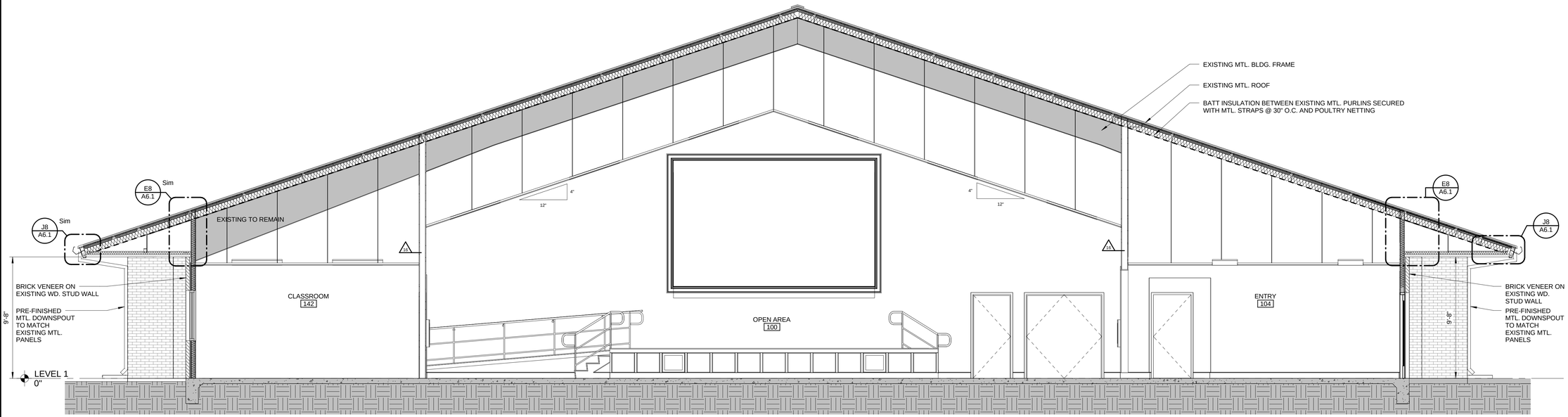
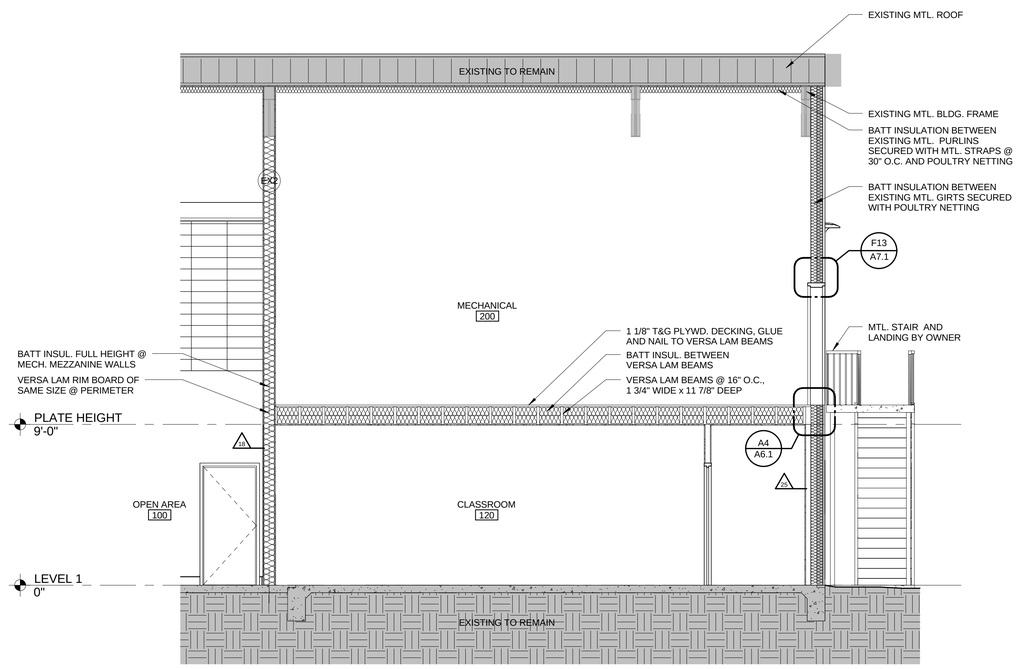


G1 BUILDING SECTION

1/4" = 1'-0"


EXISTING MTL. ROOF
EXISTING TO REMAIN
EXISTING MTL. BLDG. FRAME
BATT INSULATION BETWEEN EXISTING MTL. PURLINS SECURED WITH MTL. STRAPS @ 30" O.C. AND POULTRY NETTING
BATT INSULATION BETWEEN EXISTING MTL. GIRTS SECURED WITH POULTRY NETTING
F13
A7.1
MECHANICAL
200
1 1/8" T&G PLYWD. DECKING, GLUE AND NAIL TO VERSA LAM BEAMS
MTL. STAIR AND LANDING BY OWNER
BATT INSUL. FULL HEIGHT @ MECH. MEZZANINE WALLS
BATT INSUL. BETWEEN VERSA LAM BEAMS
VERSA LAM RIM BOARD OF SAME SIZE @ PERIMETER
VERSA LAM BEAMS @ 16" O.C., 1 3/4" WIDE x 11 7/8" DEEP
PLATE HEIGHT
9'-0"
A4
A6.1
OPEN AREA
100
CLASSROOM
120
LEVEL 1
0"
EXISTING TO REMAIN

A9 BUILDING SECTION

1/4" = 1'-0"

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PLAN NORTH
TRUE NORTH

SHEET NAME
BUILDING SECTIONS

SHEET NUMBER
A5.1

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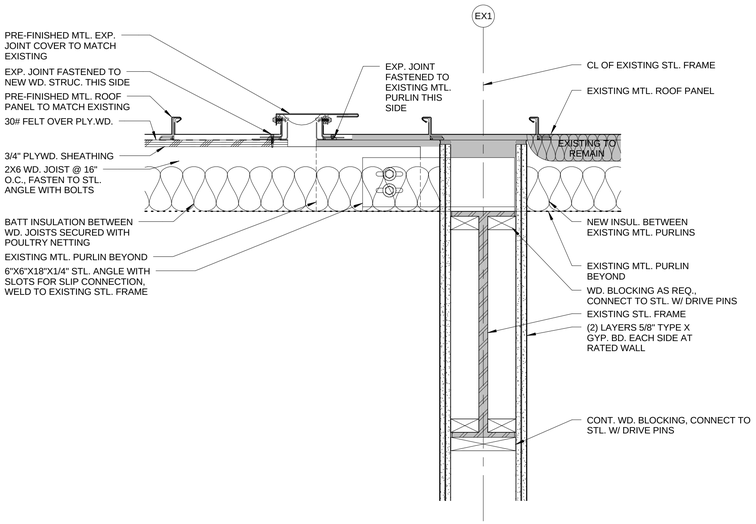
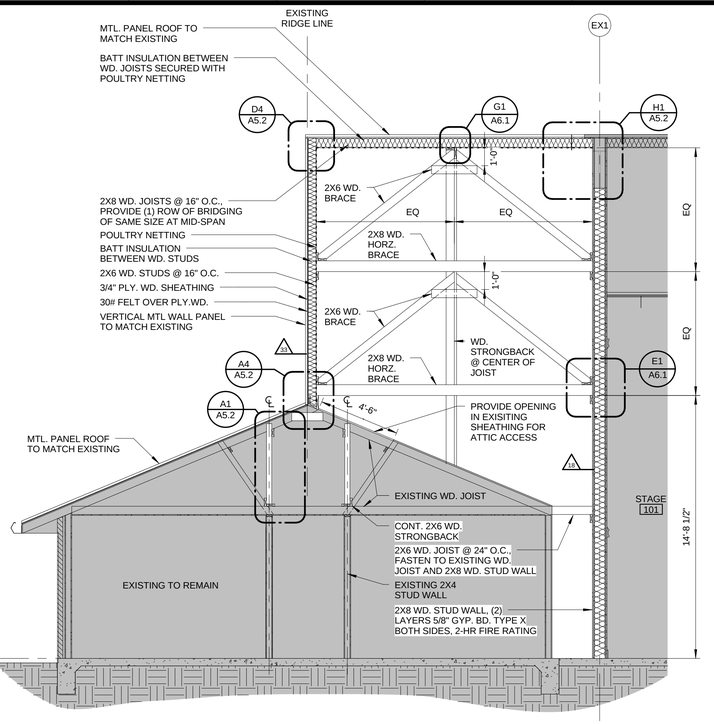
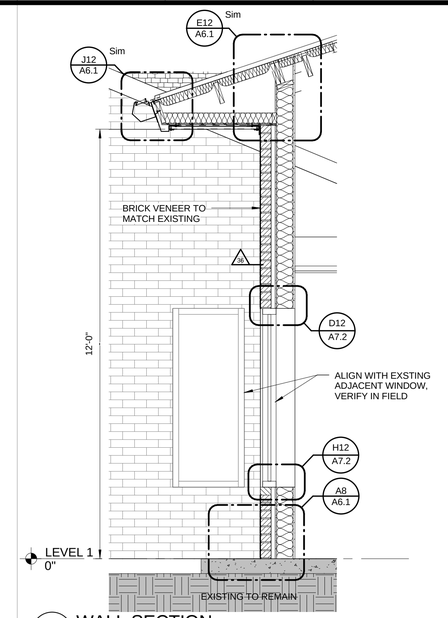

EX1
PRE-FINISHED MTL. EXP. JOINT COVER TO MATCH EXISTING
EXP. JOINT FASTENED TO NEW WD. STRUC. THIS SIDE
PRE-FINISHED MTL. ROOF PANEL TO MATCH EXISTING
30# FELT OVER PLY.WD.
3/4" PLYWD. SHEATHING
2X6 WD. JOIST @ 16" O.C., FASTEN TO STL. ANGLE WITH BOLTS
BATT INSULATION BETWEEN WD. JOISTS SECURED WITH POULTRY NETTING
EXISTING MTL. PURLIN BEYOND
6"X6"X18"X1/4" STL. ANGLE WITH SLOTS FOR SLIP CONNECTION, WELD TO EXISTING STL. FRAME
EXP. JOINT FASTENED TO EXISTING MTL. PURLIN THIS SIDE
CL OF EXISTING STL. FRAME
EXISTING MTL. ROOF PANEL
EXISTING TO REMAIN
NEW INSUL. BETWEEN EXISTING MTL. PURLINS
EXISTING MTL. PURLIN BEYOND
WD. BLOCKING AS REQ., CONNECT TO STL. W/ DRIVE PINS
EXISTING STL. FRAME
(2) LAYERS 5/8" TYPE X GYP. BD. EACH SIDE AT RATED WALL
CONT. WD. BLOCKING, CONNECT TO STL. W/ DRIVE PINS

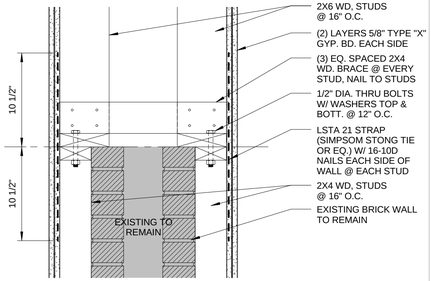
H1 EXPANSION JOINT DETAIL
1 1/2" = 1'-0"


EXISTING RIDGE LINE
EX1
MTL. PANEL ROOF TO MATCH EXISTING
BATT INSULATION BETWEEN WD. JOISTS SECURED WITH POULTRY NETTING
D4 A5.2
G1 A6.1
H1 A5.2
2X8 WD. JOISTS @ 16" O.C., PROVIDE (1) ROW OF BRIDGING OF SAME SIZE AT MID-SPAN
POULTRY NETTING
BATT INSULATION BETWEEN WD. STUDS
2X6 WD. STUDS @ 16" O.C.
3/4" PLY. WD. SHEATHING
30# FELT OVER PLY.WD.
VERTICAL MTL WALL PANEL TO MATCH EXISTING
2X6 WD. BRACE
2X8 WD. HORZ. BRACE
1'-0"
EQ
WD. STRONGBACK @ CENTER OF JOIST
A4 A5.2
A1 A5.2
E1 A6.1
4'-6"
PROVIDE OPENING IN EXISITING SHEATHING FOR ATTIC ACCESS
MTL. PANEL ROOF TO MATCH EXISTING
EXISTING WD. JOIST
STAGE 101
14'-8 1/2"
CONT. 2X6 WD. STRONGBACK
2X6 WD. JOIST @ 24" O.C., FASTEN TO EXISTING WD. JOIST AND 2X8 WD. STUD WALL
EXISTING 2X4 STUD WALL
2X8 WD. STUD WALL, (2) LAYERS 5/8" GYP. BD. TYPE X, BOTH SIDES, 2-HR FIRE RATING
EXISTING TO REMAIN
LEVEL 1
0"

F7 BUILDING SECTION
1/4" = 1'-0"



G13 WALL SECTION
1/2" = 1'-0"


2X6 WD, STUDS @ 16" O.C.
(2) LAYERS 5/8" TYPE "X" GYP. BD. EACH SIDE
(3) EQ. SPACED 2X4 WD. BRACE @ EVERY STUD, NAIL TO STUDS
1/2" DIA. THRU BOLTS W/ WASHERS TOP & BOTT. @ 12" O.C.
LSTA 21 STRAP (SIMPSOM STONG TIE OR EQ.) W/ 16-10D NAILS EACH SIDE OF WALL @ EACH STUD
2X4 WD, STUDS @ 16" O.C.
EXISTING BRICK WALL TO REMAIN
10 1/2"
10 1/2"
EXISTING TO REMAIN

D1 SECTION DETAIL
1 1/2" = 1'-0"

EXISTING RIDGE LINE
PRE-FINISHED MTL. ROOF PANEL TO MATCH EXISTING
30# FELT OVER PLY.WD.
3/4" PLYWD. SHEATHING
PRE-FINISHED MTL. RAKE TO MATCH EXISTING
PRE-FINISHED MTL. TRIM TO MATCH EXISTING
2X6 WD. JOIST @ 16" O.C.
BATT INSULATION BETWEEN WD. JOISTS SECURED WITH POULTRY NETTING
POULTRY NETTING
2X6 WD. STUDS @ 16" O.C.
BATT INSULATION
30# FELT OVER PLY.WD.
3/4" PLY. WD. SHEATHING
VERTICAL MTL WALL PANEL TO MATCH EXISTING

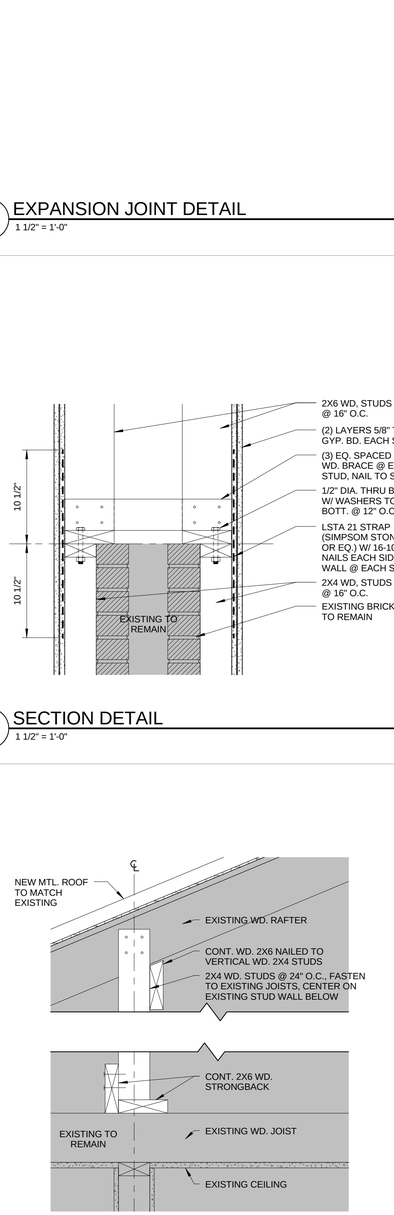
D4 SECTION DETAIL
1 1/2" = 1'-0"

EXISTING RIDGE LINE
EX1
MTL. PANEL ROOF TO MATCH EXISTING
BATT INSULATION BETWEEN WD. JOISTS SECURED WITH POULTRY NETTING
2X8 WD. JOISTS @ 16" O.C., PROVIDE (1) ROW OF BRIDGING OF SAME SIZE AT MID-SPAN
POULTRY NETTING
BATT INSULATION BETWEEN WD. STUDS
2X6 WD. STUDS @ 16" O.C.
3/4" PLY. WD. SHEATHING
30# FELT OVER PLY.WD.
VERTICAL MTL WALL PANEL TO MATCH EXISTING
ASPHALT SHINGLE ROOF TO MATCH EXISTING
2X6 WD. BRACE
2X8 WD. HORZ. BRACE
D4 A2.1
A13 A5.2
G1 A6.1
E1 A6.1
1'-0"
PORTION OF EXISTING BRICK FIREWALL BEYOND TO BE REMOVED
BTM. OF 2X6 WD. STUD WALL
EDGE OF EXISTING BRICK FIREWALL TO REMAIN BEYOND
2X8 WD. STUD WALL, (2) LAYERS 5/8" GYP. BD. TYPE X BOTH SIDES, 2-HR FIRE RATING
12'-10 3/4"
14'-8 1/2"
EXISTING TO REMAIN
EXISTING TO REMAIN
LEVEL 1
0"

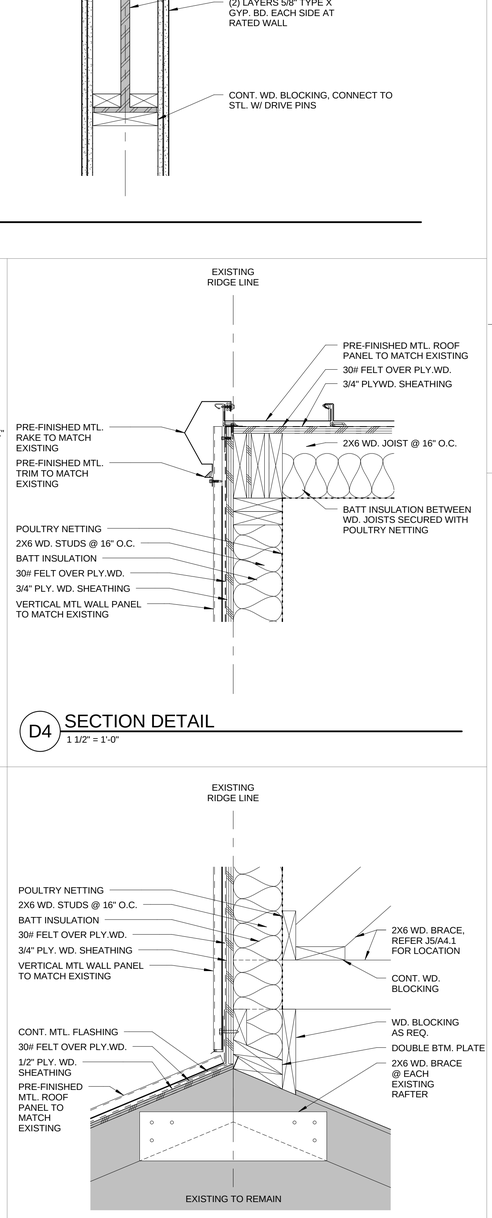
A7 BUILDING SECTION
1/4" = 1'-0"

CONSTRUCTION LEGEND

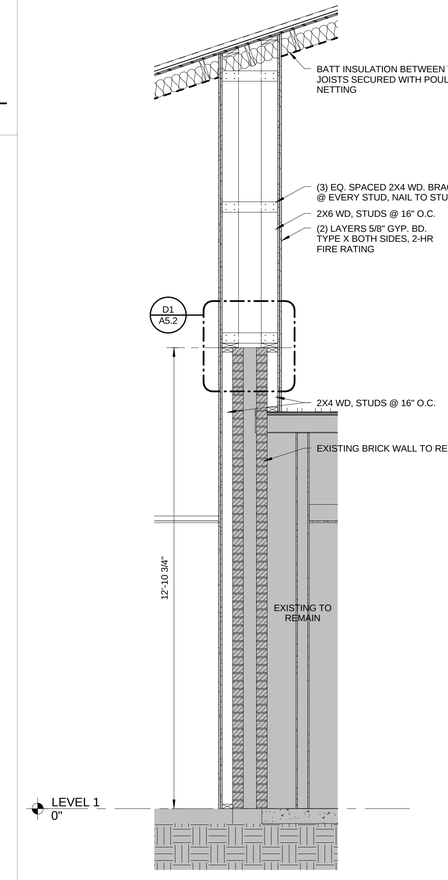
- BRICK VENEER (REFER TO WALL TYPES)
- EXISTING WALLS TO REMAIN
- EXISTING DOORS TO REMAIN
- EXISTING TO REMAIN


NEW MTL. ROOF TO MATCH EXISTING
EXISTING WD. RAFTER
CONT. WD. 2X6 NAILED TO VERTICAL WD. 2X4 STUDS
2X4 WD. STUDS @ 24" O.C., FASTEN TO EXISTING JOISTS, CENTER ON EXISTING STUD WALL BELOW
CONT. 2X6 WD. STRONGBACK
EXISTING TO REMAIN
EXISTING WD. JOIST
EXISTING CEILING

A1 SECTION DETAIL
1 1/2" = 1'-0"


EXISTING RIDGE LINE
POULTRY NETTING
2X6 WD. STUDS @ 16" O.C.
BATT INSULATION
30# FELT OVER PLY.WD.
3/4" PLY. WD. SHEATHING
VERTICAL MTL WALL PANEL TO MATCH EXISTING
2X6 WD. BRACE, REFER J5/A4.1 FOR LOCATION
CONT. WD. BLOCKING
CONT. MTL. FLASHING
30# FELT OVER PLY.WD.
1/2" PLY. WD. SHEATHING
PRE-FINISHED MTL. ROOF PANEL TO MATCH EXISTING
WD. BLOCKING AS REQ.
DOUBLE BTM. PLATE
2X6 WD. BRACE @ EACH EXISTING RAFTER
EXISTING TO REMAIN

A4 SECTION DETAIL
1 1/2" = 1'-0"


BATT INSULATION BETWEEN WD. JOISTS SECURED WITH POULTRY NETTING
(3) EQ. SPACED 2X4 WD. BRACE @ EVERY STUD, NAIL TO STUDS
2X6 WD, STUDS @ 16" O.C.
(2) LAYERS 5/8" GYP. BD. TYPE X BOTH SIDES, 2-HR FIRE RATING
D1 A5.2
2X4 WD, STUDS @ 16" O.C.
EXISTING BRICK WALL TO REMAIN
12'-10 3/4"
EXISTING TO REMAIN
LEVEL 1
0"

A13 WALL SECTION
1/2" = 1'-0"

RMA
Rawley McCoy & Associates
ARCHITECTS AND INTERIOR DESIGNERS

RAWLEY McCOY
REGISTERED ARCHITECT
REGISTRATION NO. 6123
STATE OF TEXAS

Final Plans for Bidding and Construction

REGISTERED ARCHITECT RAWLEY McCOY 6123 STATE OF TEXAS
03-11-15

ADDITION
ZION LUTHERAN CHURCH
VICTORIA, TX

DATE ISSUED:
Issue Date

PROJECT NUMBER:
1014 743

PLAN NORTH
TRUE NORTH

SHEET NAME
WALL SECTIONS

SHEET NUMBER
A5.2

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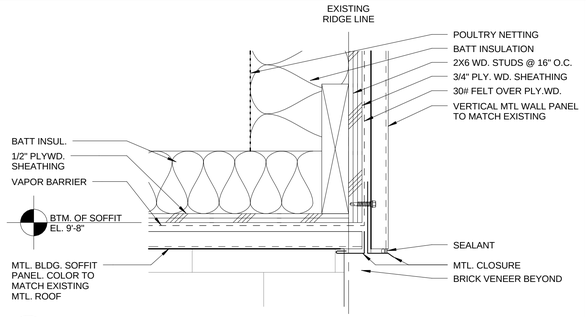
PRE-FINISHED MTL. ROOF PANEL TO MATCH EXISTING
30# FELT OVER PLY.WD.
3/4" PLYWD. SHEATHING
2X6 WD. JOIST @ 16" O.C.
2X6 WD. STRONGBACK @ CENTER OF JOIST
BATT INSULATION BETWEEN WD. JOISTS SECURED WITH POULTRY NETTING
2X8 WD. STRONGBACK @ CENTER OF JOIST
2X6 WD. ANGLED BRACE, REFER J5/A4.1 FOR LOCATION

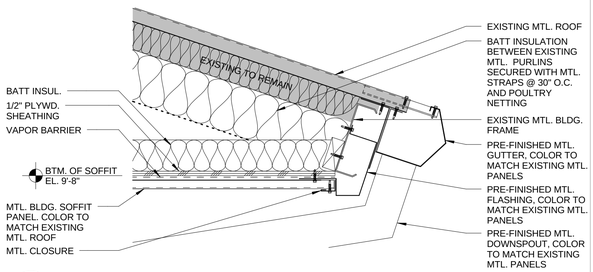
G1 SECTION DETAIL
1 1/2" = 1'-0"

2X6 WD. BRACE, REFER J5/A4.1 FOR LOCATION
CONT. 2X6 BRACE
2X8 WD. HORIZ. BRACE, REFER J5/A4.1 FOR LOCATION
CONT. 2X6 BRACE
1/2" LAG SCREWS @ 24" O.C.
WD. BLOCKING AS REQ.
2x8 WD. STUD WALL, 2HR RATED

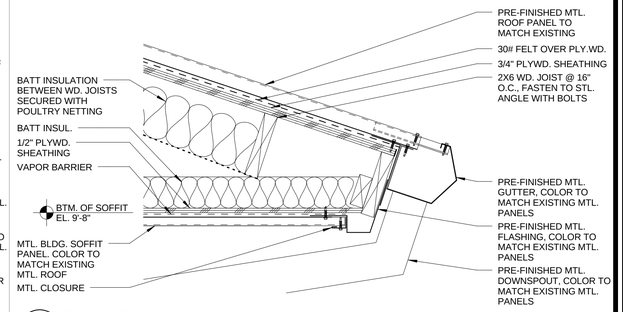
E1 SECTION DETAIL
1 1/2" = 1'-0"



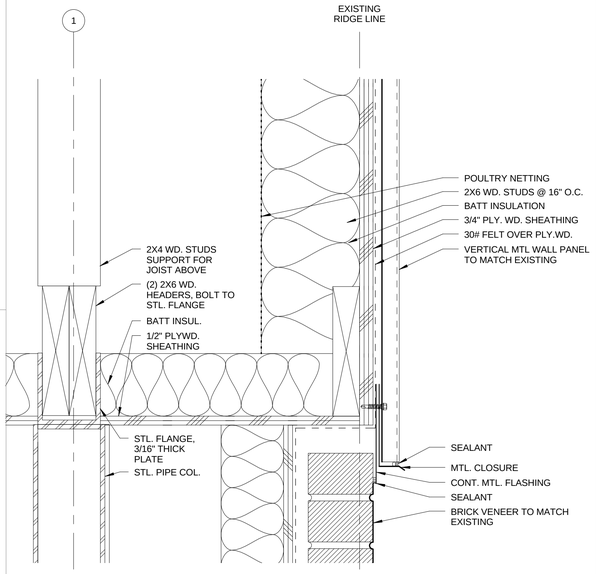
J4 SECTION DETAIL
3" = 1'-0"


EXISTING TO REMAIN
EXISTING MTL. ROOF
BATT INSULATION BETWEEN EXISTING MTL. PURLINS SECURED WITH MTL. STRAPS @ 30" O.C. AND POULTRY NETTING
BATT INSUL.
1/2" PLYWD. SHEATHING
VAPOR BARRIER
BTM. OF SOFFIT EL. 9'-8"
EXISTING MTL. BLDG. FRAME
PRE-FINISHED MTL. GUTTER, COLOR TO MATCH EXISTING MTL. PANELS
PRE-FINISHED MTL. FLASHING, COLOR TO MATCH EXISTING MTL. PANELS
MTL. BLDG. SOFFIT PANEL, COLOR TO MATCH EXISTING MTL. ROOF
MTL. CLOSURE
PRE-FINISHED MTL. DOWNSPOUT, COLOR TO MATCH EXISTING MTL. PANELS

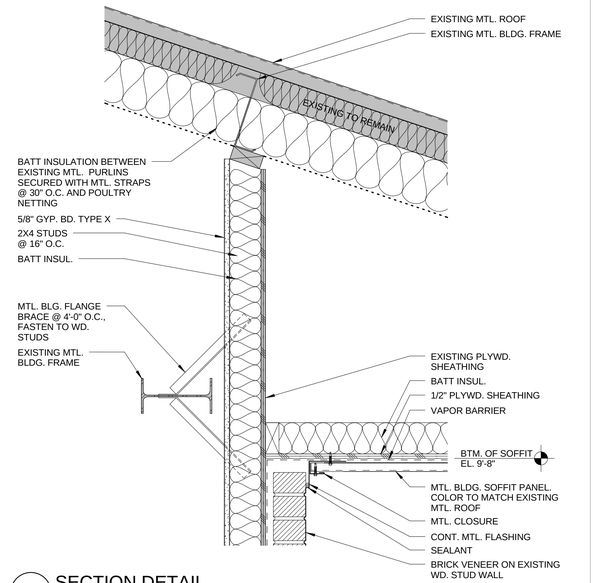
J8 SECTION DETAIL
1 1/2" = 1'-0"


PRE-FINISHED MTL. ROOF PANEL TO MATCH EXISTING
30# FELT OVER PLY.WD.
3/4" PLYWD. SHEATHING
2X6 WD. JOIST @ 16" O.C., FASTEN TO STL. ANGLE WITH BOLTS
BATT INSULATION BETWEEN WD. JOISTS SECURED WITH POULTRY NETTING
BATT INSUL.
1/2" PLYWD. SHEATHING
VAPOR BARRIER
BTM. OF SOFFIT EL. 9'-8"
PRE-FINISHED MTL. GUTTER, COLOR TO MATCH EXISTING MTL. PANELS
PRE-FINISHED MTL. FLASHING, COLOR TO MATCH EXISTING MTL. PANELS
MTL. BLDG. SOFFIT PANEL, COLOR TO MATCH EXISTING MTL. ROOF
MTL. CLOSURE
PRE-FINISHED MTL. DOWNSPOUT, COLOR TO MATCH EXISTING MTL. PANELS

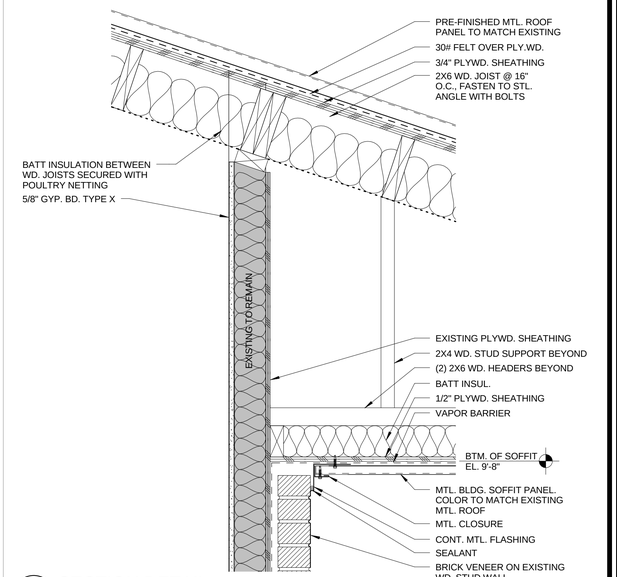
J12 SECTION DETAIL
1 1/2" = 1'-0"



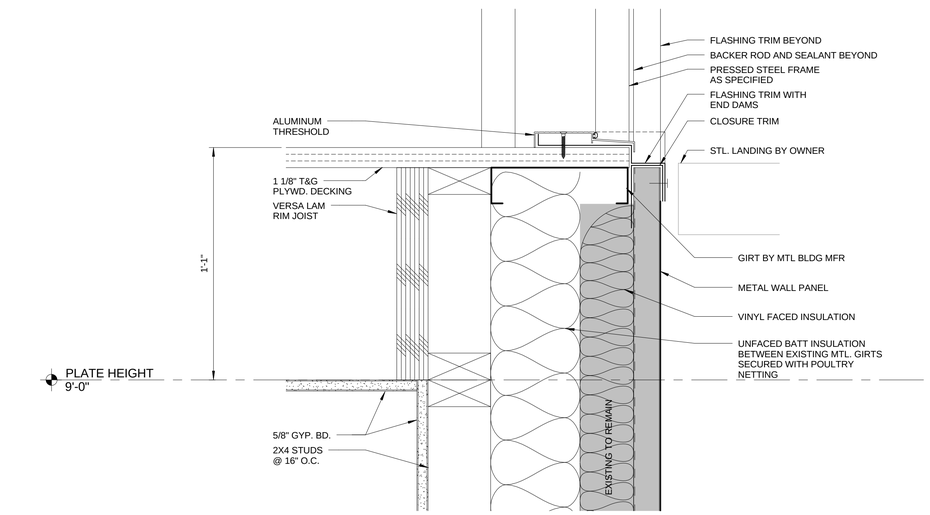
E4 SECTION DETAIL
3" = 1'-0"


EXISTING TO REMAIN
EXISTING MTL. ROOF
EXISTING MTL. BLDG. FRAME
BATT INSULATION BETWEEN EXISTING MTL. PURLINS SECURED WITH MTL. STRAPS @ 30" O.C. AND POULTRY NETTING
5/8" GYP. BD. TYPE X
2X4 STUDS @ 16" O.C.
BATT INSUL.
MTL. BLG. FLANGE BRACE @ 4'-0" O.C., FASTEN TO WD. STUDS
EXISTING MTL. BLDG. FRAME
EXISTING PLYWD. SHEATHING
BATT INSUL.
1/2" PLYWD. SHEATHING
VAPOR BARRIER
BTM. OF SOFFIT EL. 9'-8"
MTL. BLDG. SOFFIT PANEL, COLOR TO MATCH EXISTING MTL. ROOF
MTL. CLOSURE
CONT. MTL. FLASHING
SEALANT
BRICK VENEER ON EXISTING WD. STUD WALL

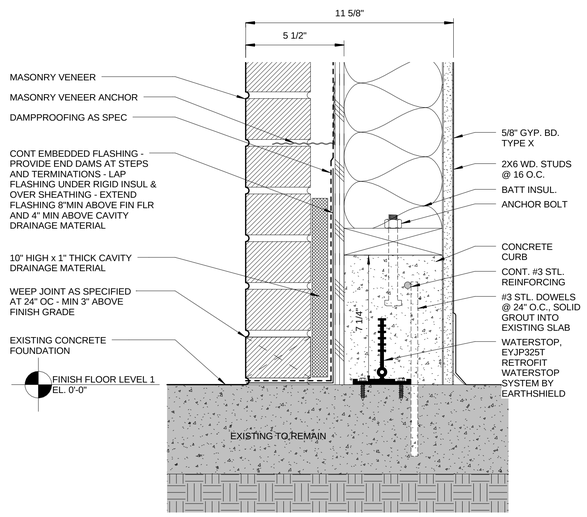
E8 SECTION DETAIL
1 1/2" = 1'-0"


PRE-FINISHED MTL. ROOF PANEL TO MATCH EXISTING
30# FELT OVER PLY.WD.
3/4" PLYWD. SHEATHING
2X6 WD. JOIST @ 16" O.C., FASTEN TO STL. ANGLE WITH BOLTS
BATT INSULATION BETWEEN WD. JOISTS SECURED WITH POULTRY NETTING
5/8" GYP. BD. TYPE X
EXISTING TO REMAIN
EXISTING PLYWD. SHEATHING
2X4 WD. STUD SUPPORT BEYOND
(2) 2X6 WD. HEADERS BEYOND
BATT INSUL.
1/2" PLYWD. SHEATHING
VAPOR BARRIER
BTM. OF SOFFIT EL. 9'-8"
MTL. BLDG. SOFFIT PANEL, COLOR TO MATCH EXISTING MTL. ROOF
MTL. CLOSURE
CONT. MTL. FLASHING
SEALANT
BRICK VENEER ON EXISTING WD. STUD WALL

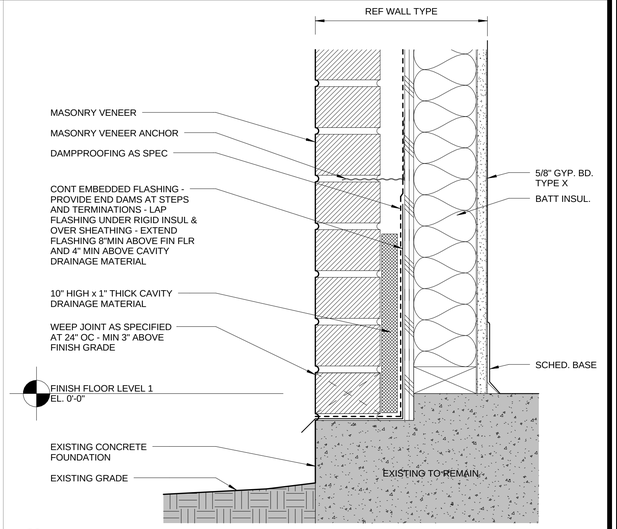
E12 SECTION DETAIL
1 1/2" = 1'-0"


FLASHING TRIM BEYOND
BACKER ROD AND SEALANT BEYOND
PRESSED STEEL FRAME AS SPECIFIED
FLASHING TRIM WITH END DAMS
CLOSURE TRIM
STL. LANDING BY OWNER
ALUMINUM THRESHOLD
1 1/8" T&G PLYWD. DECKING
VERSA LAM RIM JOIST
1'-1"
GIRT BY MTL BLDG MFR
METAL WALL PANEL
VINYL FACED INSULATION
UNFACED BATT INSULATION BETWEEN EXISTING MTL. GIRTS SECURED WITH POULTRY NETTING
PLATE HEIGHT 9'-0"
5/8" GYP. BD.
2X4 STUDS @ 16" O.C.
EXISTING TO REMAIN

A4 SECTION DETAIL
3" = 1'-0"


11 5/8"
5 1/2"
MASONRY VENEER
MASONRY VENEER ANCHOR
DAMPPROOFING AS SPEC
CONT EMBEDDED FLASHING - PROVIDE END DAMS AT STEPS AND TERMINATIONS - LAP FLASHING UNDER RIGID INSUL & OVER SHEATHING - EXTEND FLASHING 8"MIN ABOVE FIN FLR AND 4" MIN ABOVE CAVITY DRAINAGE MATERIAL
10" HIGH x 1" THICK CAVITY DRAINAGE MATERIAL
WEEP JOINT AS SPECIFIED AT 24" OC - MIN 3" ABOVE FINISH GRADE
EXISTING CONCRETE FOUNDATION
FINISH FLOOR LEVEL 1 EL. 0'-0"
5/8" GYP. BD. TYPE X
2X6 WD. STUDS @ 16 O.C.
BATT INSUL.
ANCHOR BOLT
CONCRETE CURB
CONT. #3 STL. REINFORCING
#3 STL. DOWELS @ 24" O.C., SOLID GROUT INTO EXISTING SLAB
7 1/4"
WATERSTOP, EYJP325T RETROFIT WATERSTOP SYSTEM BY EARTHSHIELD
EXISTING TO REMAIN

A8 BRICK LEDGE AT EXISTING SLAB
3" = 1'-0"


REF WALL TYPE
MASONRY VENEER
MASONRY VENEER ANCHOR
DAMPPROOFING AS SPEC
CONT EMBEDDED FLASHING - PROVIDE END DAMS AT STEPS AND TERMINATIONS - LAP FLASHING UNDER RIGID INSUL & OVER SHEATHING - EXTEND FLASHING 8"MIN ABOVE FIN FLR AND 4" MIN ABOVE CAVITY DRAINAGE MATERIAL
10" HIGH x 1" THICK CAVITY DRAINAGE MATERIAL
WEEP JOINT AS SPECIFIED AT 24" OC - MIN 3" ABOVE FINISH GRADE
FINISH FLOOR LEVEL 1 EL. 0'-0"
EXISTING CONCRETE FOUNDATION
EXISTING GRADE
5/8" GYP. BD. TYPE X
BATT INSUL.
SCHED. BASE
EXISTING TO REMAIN

A12 BRICK LEDGE AT GRADE
3" = 1'-0"

RMA
Rawley McCoy & Associates
ARCHITECTS AND INTERIOR DESIGNERS

RAWLEY McCOY
REGISTERED ARCHITECT
REGISTRATION NO. 6123
STATE OF TEXAS

Final Plans for Bidding and Construction

REGISTERED ARCHITECT RAWLEY McCOY 6123 STATE OF TEXAS
03-11-15

ADDITION
ZION LUTHERAN CHURCH
VICTORIA, TX

DATE ISSUED:
Issue Date

PROJECT NUMBER:
1014 743

PLAN NORTH
TRUE NORTH

SHEET NAME
SECTION & ROOF DETAILS

SHEET NUMBER
A6.1

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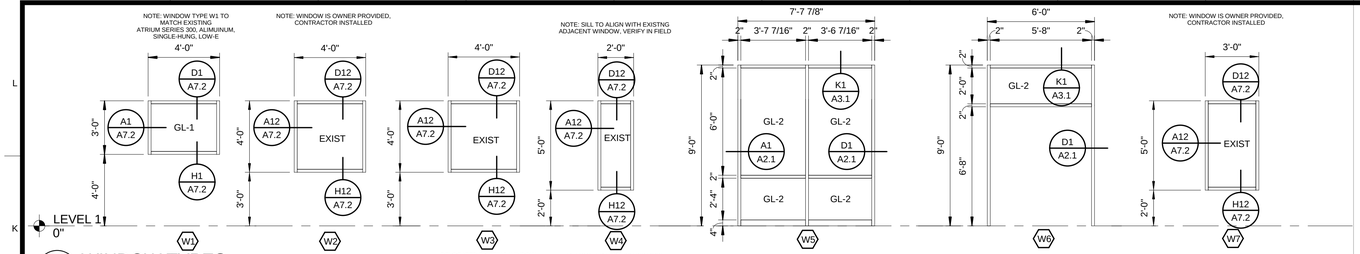


3 WINDOW TYPES
1/4" = 1'-0"

DOOR SCHEDULE

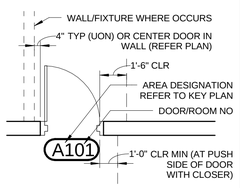
DOOR NUMBER	DOOR TYPE	FIRE RATING	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICKNESS	DOOR MATERIAL	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	SPECIAL HARDWARE	Hardware Set	REMARKS
100	F	90 MINS.	6'-0"	6'-8"	1 3/4"	WD	NA	S2	STL	D13/A7.1	A13/A7.1	-	PANIC & HOLD OPEN	A	
102A	FG		3'-0"	6'-8"	1 3/4"	WD	NA	S1	STL	D10/A7.1	A10/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
102B	FG		3'-0"	6'-8"	1 3/4"	WD	NA	S1	STL	D13/A7.1	A13/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
103	FG		3'-0"	6'-8"	1 3/4"	WD	NA	S1	STL	D13/A7.1	A13/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
104	FG		6'-0"	6'-8"	1 3/4"	ALUM	SFTY	A2	STL	D4/A7.2	A4/A7.2	J13/A7.1	PANIC	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
105A	F		3'-0"	6'-8"	1 3/4"	STL	NA	S1	STL	D8/A7.2	A8/A7.2	J13/A7.1		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
105B	FG		3'-0"	6'-8"	1 3/4"	WD	NA	S1	STL	D10/A7.1	A10/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
105C	OCD		8'-0"	3'-8"	2"	ALUM	NA	-	-	A1/A9.1	J10/A7.1	A1/A9.1		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
105D	OCD		8'-0"	3'-8"	2"	ALUM	NA	-	-	A1/A9.1	J10/A7.1	A1/A9.1		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
105E	FG		3'-0"	6'-8"	1 3/4"	WD	NA	S1	STL	D10/A7.1	A10/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
106	F		3'-4"	6'-8"	1 3/4"	WD	NA	S1	STL	F8/A7.1	D8/A7.1	-	POCKET	G	
108	FG		6'-0"	6'-8"	1 3/4"	ALUM	SFTY	A2	STL	D4/A7.2	A4/A7.2	J13/A7.1	PANIC	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
109	FG	90 MINS.	3'-0"	6'-8"	1 3/4"	WD	NA	S1	STL	D13/A7.1	A13/A7.1	-		D	
110A	FG		5'-8"	6'-8"	1 3/4"	WD	SFTY	W6	STL	-	D1/A2.1	-	PANIC	C	
110B	F		3'-0"	6'-8"	1 3/4"	STL	NA	S1	STL	F13/A7.1	F10/A7.1	A1/A6.1	PANIC	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
111	F		6'-0"	6'-8"	1 3/4"	WD	NA	S2	STL	D13/A7.1	A13/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
112	B		6'-0"	6'-8"	1 3/4"	WD	NA	-	WD	H8/A7.2	H8/A7.2	-	BI-FOLD	F	
113	B		6'-0"	6'-8"	1 3/4"	WD	NA	-	WD	H8/A7.2	H8/A7.2	-	BI-FOLD	F	
114	B		6'-0"	6'-8"	1 3/4"	WD	NA	-	WD	H8/A7.2	H8/A7.2	-	BI-FOLD	F	
120	F		6'-0"	6'-8"	1 3/4"	WD	NA	S2	STL	D10/A7.1	A10/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
121	F		6'-0"	6'-8"	1 3/4"	WD	NA	S2	STL	D13/A7.1	A13/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
130	FG		4'-0"	6'-8"	1 3/4"	WD	NA	S1	STL	D13/A7.1	A13/A7.1	-		E	
131	FG		3'-0"	6'-8"	1 3/4"	WD	NA	S1	STL	D10/A7.1	A10/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
140	FG		3'-0"	6'-8"	1 3/4"	WD	NA	S1	STL	D10/A7.1	A10/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
141	FG		3'-0"	6'-8"	1 3/4"	WD	NA	S1	STL	D10/A7.1	A10/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
142	FG		3'-0"	6'-8"	1 3/4"	WD	NA	S1	STL	D10/A7.1	A10/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
143	F		6'-0"	6'-8"	1 3/4"	WD	NA	S2	STL	D10/A7.1	A10/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
150A	FG	90 MINS.	3'-0"	6'-8"	1 3/4"	WD	NA	S1	STL	D13/A7.1	A13/A7.1	-		D	
150B	FG		3'-0"	6'-8"	1 3/4"	WD	NA	S1	STL	D13/A7.1	A13/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
151	FG		3'-0"	6'-8"	1 3/4"	WD	NA	S1	STL	D13/A7.1	A13/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
190A	F		6'-0"	6'-8"	1 3/4"	WD	NA	S2	STL	D4/A7.2	A4/A7.2	J13/A7.1	PANIC	B	
190B	FG		2'-6"	6'-8"	1 3/4"	WD	NA	S1	STL	EXIST	EXIST	EXIST		OFCI	EXISTING FLUSH DOOR, ADD LIGHT PER NL DOOR TYPE
191	FG		3'-0"	6'-8"	1 3/4"	WD	NA	S1	STL	D13/A7.1	A13/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
192	FG		3'-0"	6'-8"	1 3/4"	WD	NA	S1	STL	D13/A7.1	A13/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
193	FG		3'-0"	6'-8"	1 3/4"	WD	NA	S1	STL	D13/A7.1	A13/A7.1	-		OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
200	F		4'-0"	6'-8"	1 3/4"	STL	NA	S1	STL	F13/A7.1	F10/A7.1	A1/A6.1		H	

Grand total: 36

DOOR NOTES:

1. INTERIOR THRESHOLDS SHOULD NOT EXCEED 1/2" IN HEIGHT AND SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
2. DOOR HANDLES, PULLS, LATCHES. LOCKS AND OTHER OPERATING DEVICES ON DOORS SHALL BE MOUNTED AT 3'-6" A.F.F. AND SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOESN'T REQUIRE TIGHT GRASPING OR PINCHING, OR SEVERE TWISTING TO OPERATE.
3. THE FORCE REQUIRED TO ACTIVATE DOOR HARDWARE AND OPEN DOORS SHOULD BE NO GREATER THAN 5 LBFT FOR INTERIOR DOORS.
4. DOORS TO HAZARDOUS AREAS SUCH AS LOADING PLATFORMS, BOILER ROOMS, MECHANICAL AND ELECTRICAL ROOMS AND OTHER AREAS THAT MIGHT BE DANGEROUS TO A BLIND PERSON SHALL BE MADE IDENTIFIABLE TO THE TOUCH BY A TEXTURED SURFACE ON THE DOOR HANDLE OR OTHER DOOR OPERATING HARDWARE.
5. THE SWEEP PERIOD ON ANY DOORS WITH CLOSERS SHOULD BE ADJUSTED SO THAT FROM ANY OPEN POSITION OF 70 DEGREES THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED FROM THE LEADING EDGE OF THE DOOR.
6. ADJUST CUT-OFF AT BOTTOM OF ANY EXTERIOR HOLLOW METEL DOORS WITH HANDICAP ACCESSIBLE THRESHOLDS TO INSURE THAT THERE IS NO GAP BETWEEN THE BOTTOM OF THE DOOR AND THE TOP OF THRESHOLD SEAT.
7. ALL DOORS SHALL MEET T.A.S. REQUIREMENTS FOR CLEARANCES, HARDWARE, ETC.

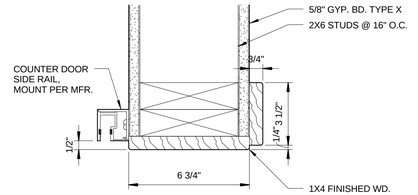
DOOR MARK KEY


WALL/FIXTURE WHERE OCCURS
4" TYP (UON) OR CENTER DOOR IN WALL (REFER PLAN)
1'-6" CLR
AREA DESIGNATION REFER TO KEY PLAN
DOOR/ROOM NO
A101
1'-0" CLR MIN (AT PUSH SIDE OF DOOR WITH CLOSER)

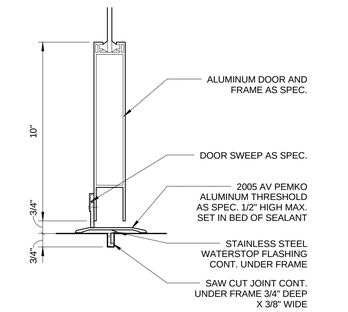
GLAZING LEGEND

GL-1 TRANSLUCENT GLASS TO MATCH EXISTING

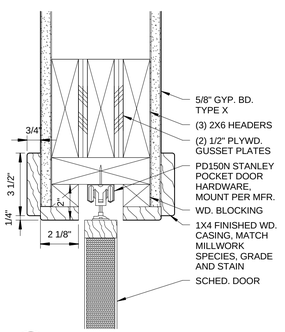
GL-2 CLEAR SAFETY GLASS


5/8" GYP. BD. TYPE X
2X6 STUDS @ 16" O.C.
COUNTER DOOR SIDE RAIL, MOUNT PER MFR.
3/4"
1/4" 3 1/2"
1/2"
6 3/4"
1X4 FINISHED WD. CASING, MATCH MILLWORK SPECIES, GRADE AND STAIN

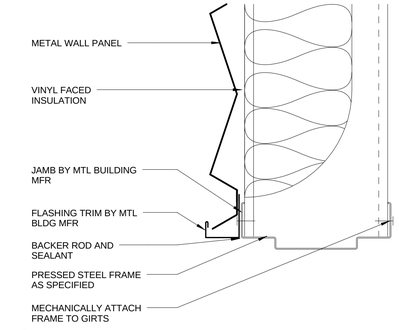
J10 COUNTER DOOR JAMB
3" = 1'-0"


ALUMINUM DOOR AND FRAME AS SPEC.
DOOR SWEEP AS SPEC.
2005 AV PEMKO ALUMINUM THRESHOLD AS SPEC. 1/2" HIGH MAX. SET IN BED OF SEALANT
STAINLESS STEEL WATERSTOP FLASHING CONT. UNDER FRAME
SAW CUT JOINT CONT. UNDER FRAME 3/4" DEEP X 3/8" WIDE
10"
3/4"
3/4"

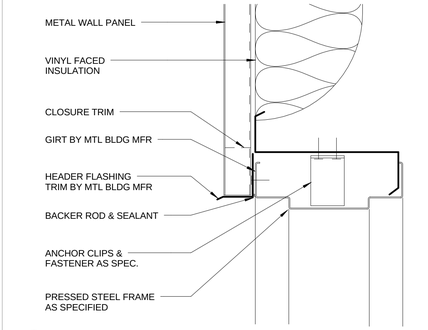
J13 ALUM DOOR THRESHOLD DETAIL
3" = 1'-0"



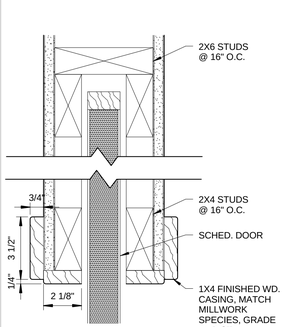
F8 POCKET DOOR HEAD
3" = 1'-0"


METAL WALL PANEL
VINYL FACED INSULATION
JAMB BY MTL BUILDING MFR
FLASHING TRIM BY MTL BLDG MFR
BACKER ROD AND SEALANT
PRESSED STEEL FRAME AS SPECIFIED
MECHANICALLY ATTACH FRAME TO GIRTS

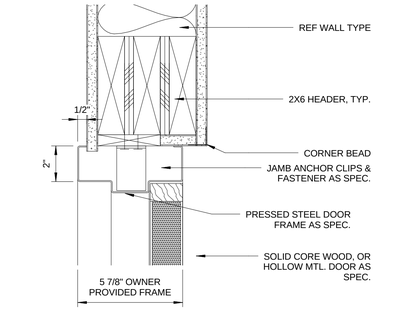
F10 PRESSED STEEL JAMB DETAIL
3" = 1'-0"


METAL WALL PANEL
VINYL FACED INSULATION
CLOSURE TRIM
GIRT BY MTL BLDG MFR
HEADER FLASHING TRIM BY MTL BLDG MFR
BACKER ROD & SEALANT
ANCHOR CLIPS & FASTENER AS SPEC.
PRESSED STEEL FRAME AS SPECIFIED

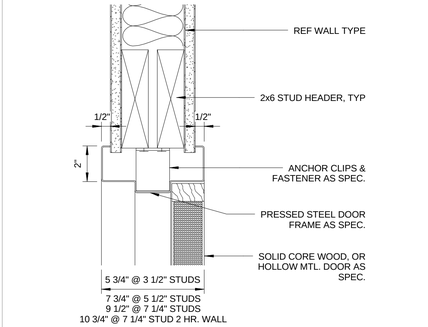
F13 PRESSED STEEL HEAD DETAIL
3" = 1'-0"



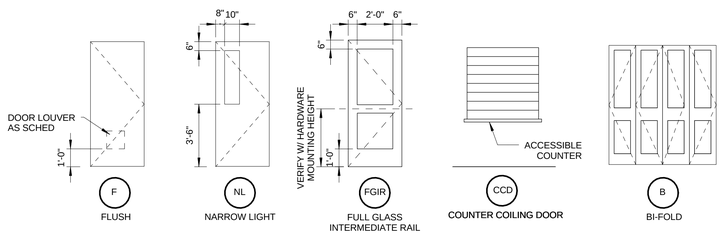
D8 POCKET DOOR JAMB
3" = 1'-0"


REF WALL TYPE
2X6 HEADER, TYP.
1/2"
2"
CORNER BEAD
JAMB ANCHOR CLIPS & FASTENER AS SPEC.
PRESSED STEEL DOOR FRAME AS SPEC.
SOLID CORE WOOD, OR HOLLOW MTL. DOOR AS SPEC.
5 7/8" OWNER PROVIDED FRAME

D10 PRESSED STEEL HEAD DETAIL
3" = 1'-0"


REF WALL TYPE
2x6 STUD HEADER, TYP
1/2"
1/2"
2"
ANCHOR CLIPS & FASTENER AS SPEC.
PRESSED STEEL DOOR FRAME AS SPEC.
SOLID CORE WOOD, OR HOLLOW MTL. DOOR AS SPEC.
5 3/4" @ 3 1/2" STUDS
7 3/4" @ 5 1/2" STUDS
9 1/2" @ 7 1/4" STUDS
10 3/4" @ 7 1/4" STUD 2 HR. WALL

D13 PRESSED STEEL HEAD DETAIL
3" = 1'-0"

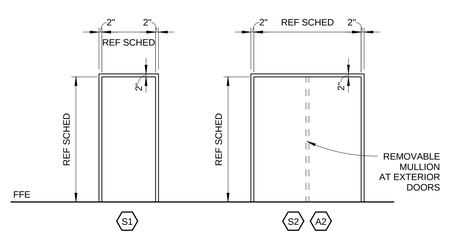


DOOR TYPES
1/4" = 1'-0"

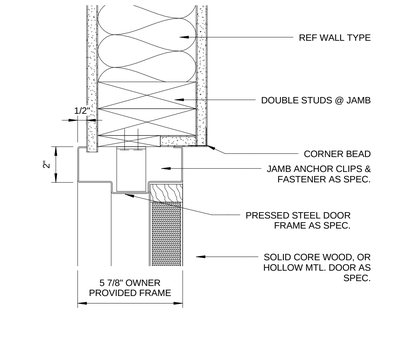
FRAME TYPE LEGEND

S# STEEL (HM) FRAME TYPE

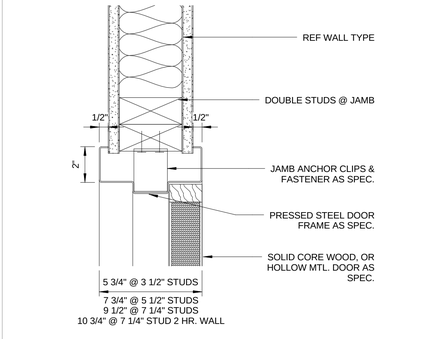
A# ALUMINUM (STOREFRONT) FRAME TYPE



A6 FRAME TYPES
1/4" = 1'-0"


REF WALL TYPE
DOUBLE STUDS @ JAMB
1/2"
2"
CORNER BEAD
JAMB ANCHOR CLIPS & FASTENER AS SPEC.
PRESSED STEEL DOOR FRAME AS SPEC.
SOLID CORE WOOD, OR HOLLOW MTL. DOOR AS SPEC.
5 7/8" OWNER PROVIDED FRAME

A10 PRESSED STEEL JAMB DETAIL
3" = 1'-0"


REF WALL TYPE
DOUBLE STUDS @ JAMB
1/2"
1/2"
2"
JAMB ANCHOR CLIPS & FASTENER AS SPEC.
PRESSED STEEL DOOR FRAME AS SPEC.
SOLID CORE WOOD, OR HOLLOW MTL. DOOR AS SPEC.
5 3/4" @ 3 1/2" STUDS
7 3/4" @ 5 1/2" STUDS
9 1/2" @ 7 1/4" STUDS
10 3/4" @ 7 1/4" STUD 2 HR. WALL

A13 PRESSED STEEL JAMB DETAIL
3" = 1'-0"

RMA
Rawley McCoy & Associates
ARCHITECTS AND INTERIOR DESIGNERS

RAWLEY McCOY
REGISTERED ARCHITECT
REGISTRATION NO. 6123
STATE OF TEXAS

Final Plans for Bidding and Construction

REGISTERED ARCHITECT RAWLEY McCOY 6123 STATE OF TEXAS
03-11-15

ADDITION
ZION LUTHERAN CHURCH
VICTORIA, TX

DATE ISSUED:
Issue Date

PROJECT NUMBER:
1014 743

PLAN NORTH / TRUE NORTH

SHEET NAME
DOOR SCHEDULE, DETAILS & WINDOW ELEVATIONS

SHEET NUMBER
A7.1

3/11/2015 11:18:01 AM
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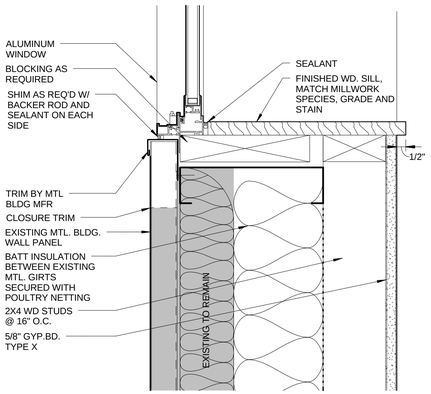
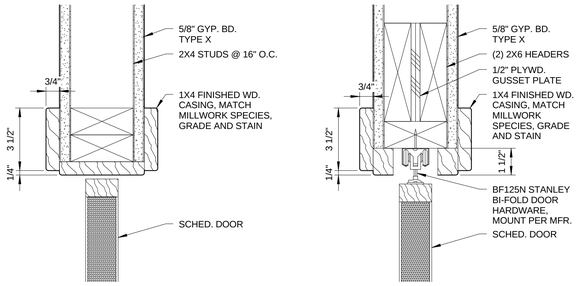
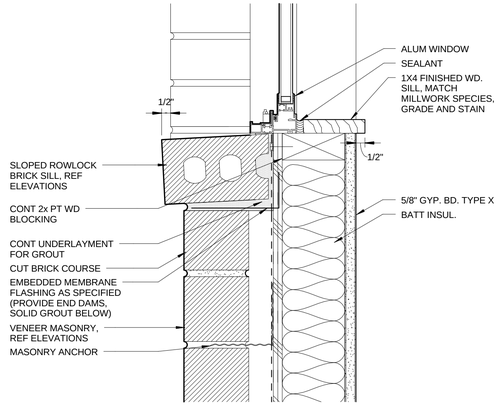

ALUMINUM WINDOW
BLOCKING AS REQUIRED
SHIM AS REQ'D W/ BACKER ROD AND SEALANT ON EACH SIDE
TRIM BY MTL BLDG MFR
CLOSURE TRIM
EXISTING MTL. BLDG. WALL PANEL
BATT INSULATION BETWEEN EXISTING MTL. GIRTS SECURED WITH POULTRY NETTING
2X4 WD STUDS @ 16" O.C.
5/8" GYP.BD. TYPE X
SEALANT
FINISHED WD. SILL, MATCH MILLWORK SPECIES, GRADE AND STAIN
1/2"
EXISTING TO REMAIN

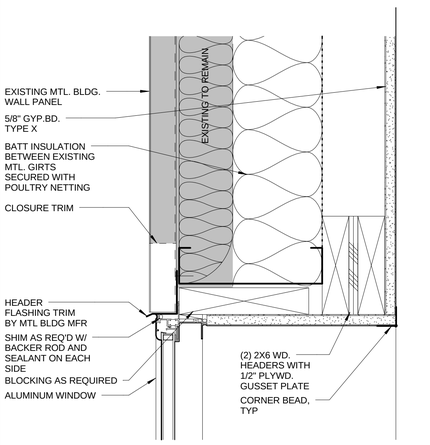
H1 ALUMINUM STOREFRONT SILL DETAIL
3" = 1'-0"



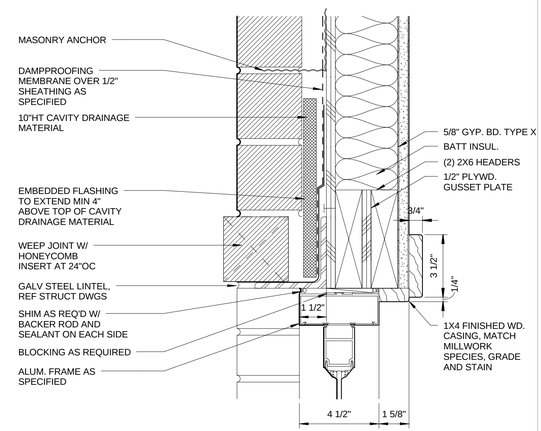
H8 BI-FOLD DOOR HEAD
3" = 1'-0"


ALUM WINDOW
SEALANT
1X4 FINISHED WD. SILL, MATCH MILLWORK SPECIES, GRADE AND STAIN
1/2"
SLOPED ROWLOCK BRICK SILL, REF ELEVATIONS
CONT 2x PT WD BLOCKING
CONT UNDERLAYMENT FOR GROUT
CUT BRICK COURSE
EMBEDDED MEMBRANE FLASHING AS SPECIFIED (PROVIDE END DAMS, SOLID GROUT BELOW)
VENEER MASONRY, REF ELEVATIONS
MASONRY ANCHOR
5/8" GYP. BD. TYPE X
BATT INSUL.

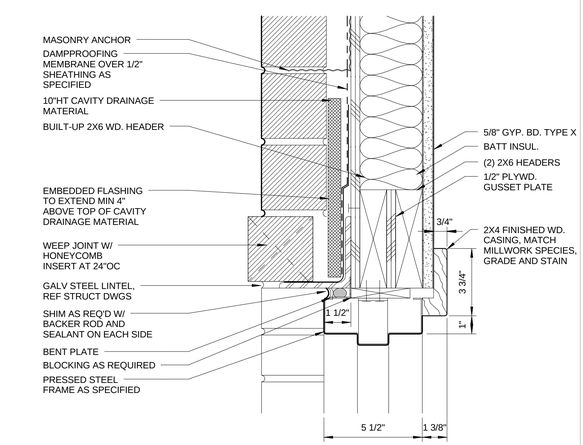
H12 ALUMINUM STOREFRONT SILL
3" = 1'-0"


EXISTING MTL. BLDG. WALL PANEL
5/8" GYP.BD. TYPE X
BATT INSULATION BETWEEN EXISTING MTL. GIRTS SECURED WITH POULTRY NETTING
CLOSURE TRIM
HEADER FLASHING TRIM BY MTL BLDG MFR
SHIM AS REQ'D W/ BACKER ROD AND SEALANT ON EACH SIDE
BLOCKING AS REQUIRED
ALUMINUM WINDOW
(2) 2X6 WD. HEADERS WITH 1/2" PLYWD. GUSSET PLATE
CORNER BEAD, TYP
EXISTING TO REMAIN

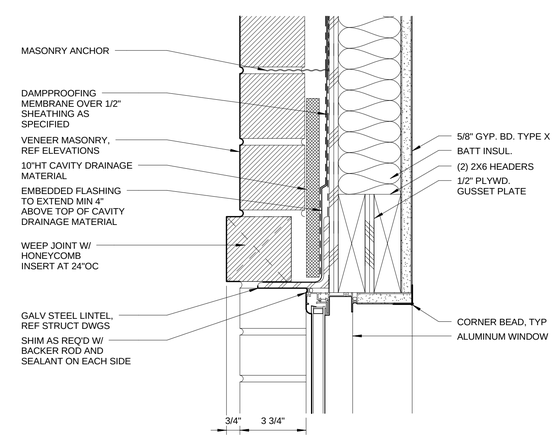
D1 ALUMINUM STOREFRONT HEAD DETAIL
3" = 1'-0"


MASONRY ANCHOR
DAMPPROOFING MEMBRANE OVER 1/2" SHEATHING AS SPECIFIED
10"HT CAVITY DRAINAGE MATERIAL
EMBEDDED FLASHING TO EXTEND MIN 4" ABOVE TOP OF CAVITY DRAINAGE MATERIAL
WEEP JOINT W/ HONEYCOMB INSERT AT 24"OC
GALV STEEL LINTEL, REF STRUCT DWGS
SHIM AS REQ'D W/ BACKER ROD AND SEALANT ON EACH SIDE
BLOCKING AS REQUIRED
ALUM. FRAME AS SPECIFIED
5/8" GYP. BD. TYPE X
BATT INSUL.
(2) 2X6 HEADERS
1/2" PLYWD. GUSSET PLATE
3/4"
3 1/2"
1/4"
1 1/2"
1X4 FINISHED WD. CASING, MATCH MILLWORK SPECIES, GRADE AND STAIN
4 1/2"
1 5/8"

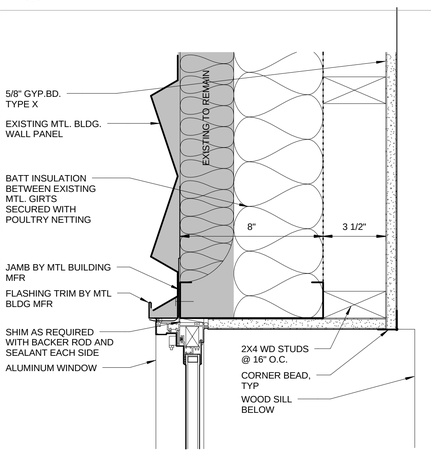
D4 ALUM FRAME HEAD DETAIL
3" = 1'-0"


MASONRY ANCHOR
DAMPPROOFING MEMBRANE OVER 1/2" SHEATHING AS SPECIFIED
10"HT CAVITY DRAINAGE MATERIAL
BUILT-UP 2X6 WD. HEADER
EMBEDDED FLASHING TO EXTEND MIN 4" ABOVE TOP OF CAVITY DRAINAGE MATERIAL
WEEP JOINT W/ HONEYCOMB INSERT AT 24"OC
GALV STEEL LINTEL, REF STRUCT DWGS
SHIM AS REQ'D W/ BACKER ROD AND SEALANT ON EACH SIDE
BENT PLATE
BLOCKING AS REQUIRED
PRESSED STEEL FRAME AS SPECIFIED
5/8" GYP. BD. TYPE X
BATT INSUL.
(2) 2X6 HEADERS
1/2" PLYWD. GUSSET PLATE
3/4"
2X4 FINISHED WD. CASING, MATCH MILLWORK SPECIES, GRADE AND STAIN
3 3/4"
1"
1 1/2"
5 1/2"
1 3/8"

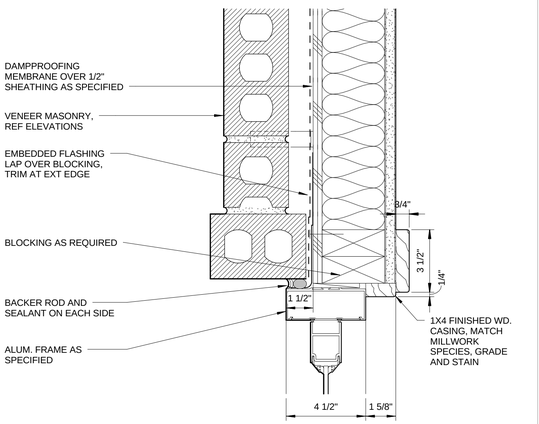
D8 STEEL FRAME HEAD DETAIL
3" = 1'-0"


MASONRY ANCHOR
DAMPPROOFING MEMBRANE OVER 1/2" SHEATHING AS SPECIFIED
VENEER MASONRY, REF ELEVATIONS
10"HT CAVITY DRAINAGE MATERIAL
EMBEDDED FLASHING TO EXTEND MIN 4" ABOVE TOP OF CAVITY DRAINAGE MATERIAL
WEEP JOINT W/ HONEYCOMB INSERT AT 24"OC
GALV STEEL LINTEL, REF STRUCT DWGS
SHIM AS REQ'D W/ BACKER ROD AND SEALANT ON EACH SIDE
5/8" GYP. BD. TYPE X
BATT INSUL.
(2) 2X6 HEADERS
1/2" PLYWD. GUSSET PLATE
CORNER BEAD, TYP
ALUMINUM WINDOW
3/4"
3/4"
3 3/4"

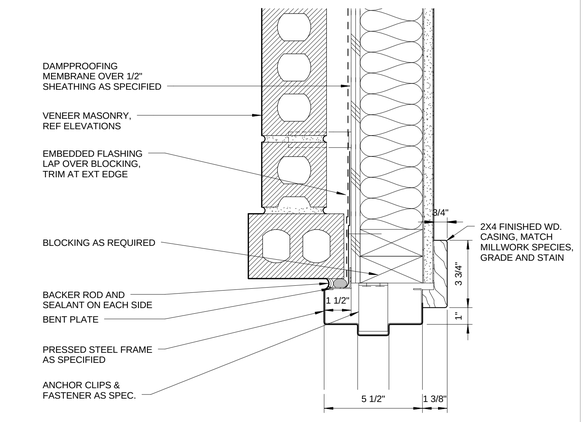
D12 ALUM STOREFRONT HEAD DETAIL
3" = 1'-0"


5/8" GYP.BD. TYPE X
EXISTING MTL. BLDG. WALL PANEL
BATT INSULATION BETWEEN EXISTING MTL. GIRTS SECURED WITH POULTRY NETTING
8"
3 1/2"
JAMB BY MTL BUILDING MFR
FLASHING TRIM BY MTL BLDG MFR
SHIM AS REQUIRED WITH BACKER ROD AND SEALANT EACH SIDE
ALUMINUM WINDOW
2X4 WD STUDS @ 16" O.C.
CORNER BEAD, TYP
WOOD SILL BELOW
EXISTING TO REMAIN

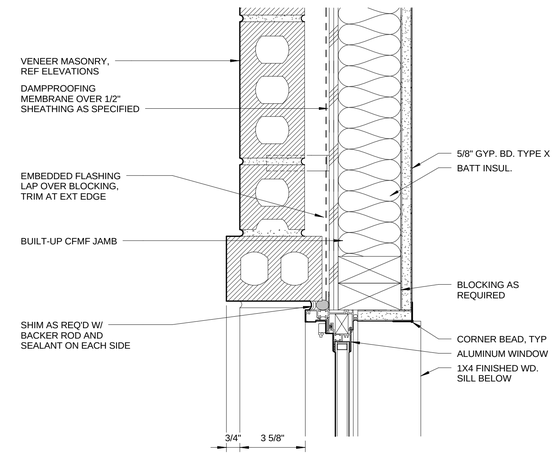
A1 ALUM STOREFRONT JAMB DETAIL
3" = 1'-0"


DAMPPROOFING MEMBRANE OVER 1/2" SHEATHING AS SPECIFIED
VENEER MASONRY, REF ELEVATIONS
EMBEDDED FLASHING LAP OVER BLOCKING, TRIM AT EXT EDGE
BLOCKING AS REQUIRED
BACKER ROD AND SEALANT ON EACH SIDE
ALUM. FRAME AS SPECIFIED
3/4"
3 1/2"
1/4"
1 1/2"
1X4 FINISHED WD. CASING, MATCH MILLWORK SPECIES, GRADE AND STAIN
4 1/2"
1 5/8"

A4 ALUM FRAME JAMB DETAIL
3" = 1'-0"


DAMPPROOFING MEMBRANE OVER 1/2" SHEATHING AS SPECIFIED
VENEER MASONRY, REF ELEVATIONS
EMBEDDED FLASHING LAP OVER BLOCKING, TRIM AT EXT EDGE
BLOCKING AS REQUIRED
BACKER ROD AND SEALANT ON EACH SIDE
BENT PLATE
PRESSED STEEL FRAME AS SPECIFIED
ANCHOR CLIPS & FASTENER AS SPEC.
3/4"
2X4 FINISHED WD. CASING, MATCH MILLWORK SPECIES, GRADE AND STAIN
3 3/4"
1"
1 1/2"
5 1/2"
1 3/8"

A8 STEEL FRAME JAMB DETAIL
3" = 1'-0"


VENEER MASONRY, REF ELEVATIONS
DAMPPROOFING MEMBRANE OVER 1/2" SHEATHING AS SPECIFIED
EMBEDDED FLASHING LAP OVER BLOCKING, TRIM AT EXT EDGE
BUILT-UP CFMF JAMB
SHIM AS REQ'D W/ BACKER ROD AND SEALANT ON EACH SIDE
5/8" GYP. BD. TYPE X
BATT INSUL.
BLOCKING AS REQUIRED
CORNER BEAD, TYP
ALUMINUM WINDOW
1X4 FINISHED WD. SILL BELOW
3/4"
3 5/8"

A12 ALUM STOREFRONT JAMB DETAIL
3" = 1'-0"

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RAWLEY McCOY
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REGISTRATION NO. 6123
STATE OF TEXAS

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REGISTERED ARCHITECT RAWLEY McCOY 6123 STATE OF TEXAS
03-11-15

ADDITION
ZION LUTHERAN CHURCH
VICTORIA, TX

DATE ISSUED:
Issue Date

PROJECT NUMBER:
1014 743

PLAN NORTH
TRUE NORTH

SHEET NAME
DOOR AND WINDOW DETAILS

SHEET NUMBER
A7.2

MATERIAL SCHEDULE

MATERIAL	MARK	MANUFACTURER	STYLE	MFR. NO.	COLOR	LOCATION	COMMENTS
ACOUSTIC PANEL CEILING	P1	ARMSTRONG, 24x24	SCHOOL ZONE FINE FISSURED	465	WHITE	LAY-IN CEILING	
BRICK	BK1	ACME	MODULAR	VELURE TEXTURE "A" QUALITY	CINNAMON BROWN	EXTERIOR VENEER MASONRY	OWNER FURNISHED, CONTRACTOR INSTALLED SEE NOTE 1
FRP	FRP1	NUDO	SMOOTH	LP-S9	STANDARD	RESTROOM	
GLASS	GL-2	MATCH EXISTING	MATCH EXISTING	-	MATCH EXISTING	EXTERIOR GLAZING	
LUXURY VINYL TILE	LVT1	MOHAWK GROUP	SELECT STEP	C0007	-	FLOOR	SEE NOTE 3
METAL ROOF	MR	MBCI	SUPERLOK	SIGNATURE 300	MATCH EXISTING	ROOF	
METAL SOFFIT PANEL	MS1	MBCI - ARTISAN SERIES	L12	KYNAR 500	MATCH EXISTING	SOFFIT	
METAL WALL PANEL	MP1	MBCI	AVP	KYNAR 500	MATCH EXISTING	EXTERIOR WALL	
PAINT	P1	SHERWIN WILLIAMS	-	-	-	FIELD WALL COLOR, PRIMARY SPACE	
PAINT	P2	SHERWIN WILLIAMS	-	-	-	FIELD WALL COLOR, SECONDARY SPACE	
PAINT	P3	SHERWIN WILLIAMS	-	-	-	ACCENT WALL COLOR	
PAINT	P4	SHERWIN WILLIAMS	-	-	-	GYPSUM CEILING COLOR	
PAINT	P5	SHERWIN WILLIAMS	-	-	-	HM DOOR FRAMES, STEEL DOORS, HANDRAILS	
PLASTIC LAMINATE	PL1	FORMICA	MATTE FINISH	-	-	COUNTER TOPS	
WALL BASE	RB1	ROPPE	RUBBER 4" COVE	-	-	-	
WALL BASE	WB4	-	WOOD BASE 4"	-	WS1	ROOM 105	REFER A4/A8.1, SEE NOTE 2
WALL BASE	WB6	-	WOOD BASE 6"	-	WS1	ROOMS 100, 101, 104, 108 & 110	REFER A4/A8.1, SEE NOTE 2
WOOD STAIN	WS1	SHERWIN WILLIAMS	SHER-WOOD BAC	-	-	WOOD MILLWORK, SILLS, BASE, TRIM	

NOTES:

1. CONTRACTOR TO USE OWNER PROVIDED BRICK. CONTRACTOR TO DETERMINE IF OWNER PROVIDED BRICK STOCK IS ADEQUATE TO COMPLETE PROJECT. ADDITIONAL BRICK, IF REQUIRED, WILL BE PURCHASED BY OWNER AND CONTRACTOR WILL BLEND WITH THE EXISTING STOCK.
2. MATCH MILLWORK WOOD AND STAIN.
3. ALTERNATE NO. ONE: PROVIDE VCT (VINYL COMPOSITE TILE) IN LIEU OF LVT (LUXURY VINYL TILE) AS SPECIFIED

APPLIANCE SCHEDULE

Type	Manufacturer	Model	Finish	Comments
REFRIGERATOR	WHIRLPOOL	WSR57R18DH	WHITE	OWNER PROVIDED, CONTRACTOR INSTALLED, Sidekicks All-Refrigerator with LED Lighting, 18 cu.ft.
UPRIGHT FREEZER	WHIRLPOOL	WZF79R20DW	WHITE	OWNER PROVIDED, CONTRACTOR INSTALLED, Upright Frezzer with Temperature Alarm
DOUBLE OVEN	WHIRLPOOL	WOD51EC0AW	WHITE	OWNER PROVIDED, CONTRACTOR INSTALLED, 10 cu. ft. Double Wall Oven
ELECTRIC COOKTOP	MAYTAG	MEC9536BB	BLACK	OWNER PROVIDED, CONTRACTOR INSTALLED, 36 in. Electric Cooktop with Dual-Choice Elements
VENT HOOD	WHIRLPOOL	UXT4036ADW	WHITE	OWNER PROVIDED, CONTRACTOR INSTALLED, 36" Range Hood with FIT System
MICROWAVE	WHIRLPOOL	WMC50522AW	WHITE	OWNER PROVIDED, CONTRACTOR INSTALLED, 2.2 cu. ft. Countertop Microwave

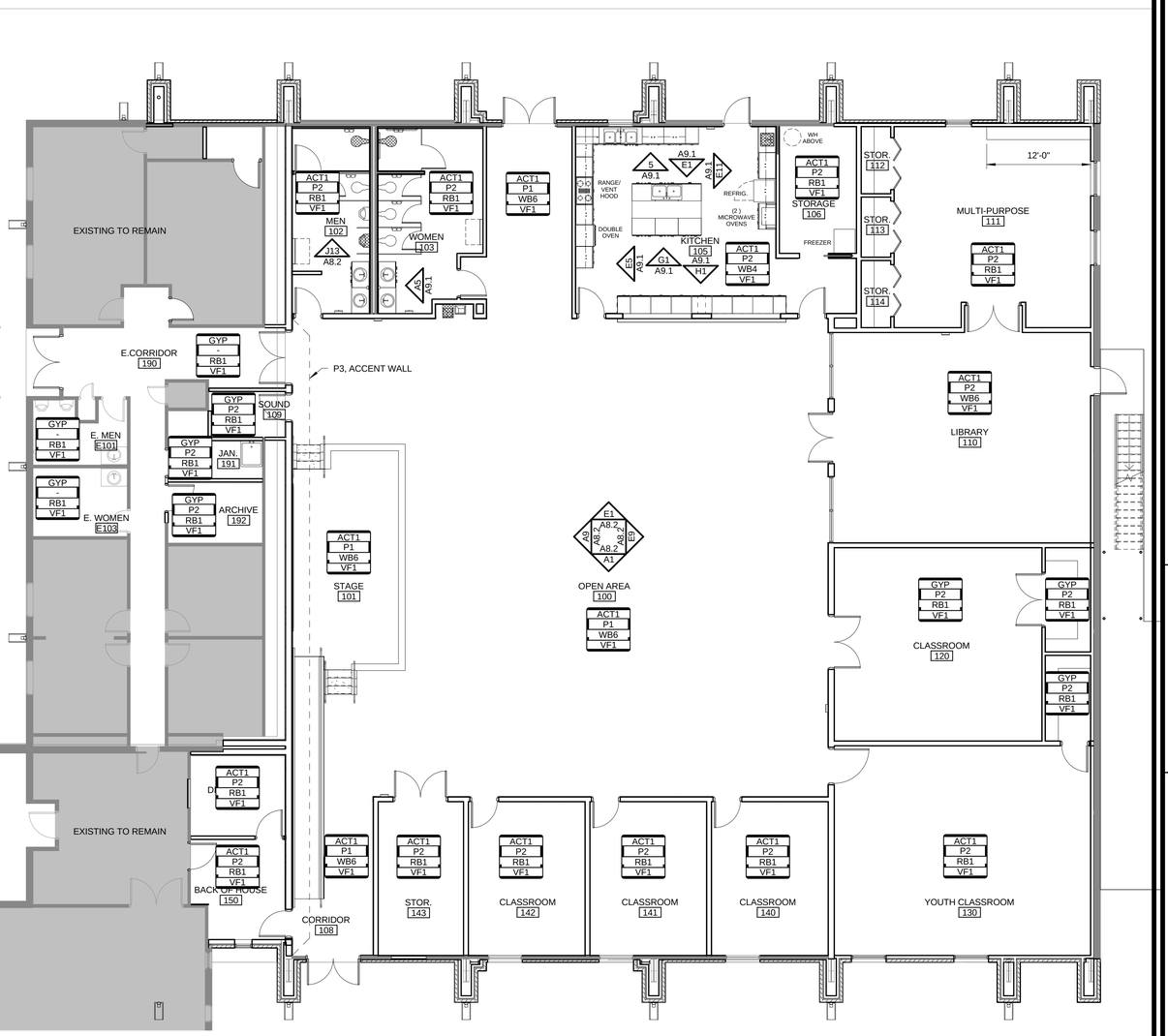
FLOOR TAG KEY

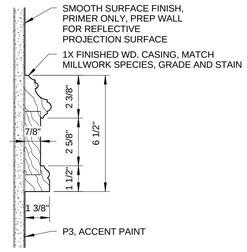
APC2 / P1 / RB1 / VCT3 — CEILING TYPE, WALL FINISH, UNO, BASE TYPE, FLOOR FINISH

P1 — MATERIAL TAG

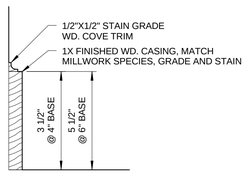
1 — FINISH KEYNOTE

NOTE:
1. PROVIDE 18" DEEP COMMERCIAL GRADE ADJUSTABLE SHELVES, STANDARDS AND BRACKETS FOR THE FOLLOWING ROOMS: 111, 111A, 111B, 111C, 121 & 131.
2. ROOM FINISHES FOR ROOMS 111A, 111B & 111C TO MATCH ROOM 111.
3. PROVIDE FLOOR LEVELING COMPOUND AS SPECIFIED.





A1 WOOD SCREEN TRIM
3" = 1'-0"



A4 WOOD BASE
3" = 1'-0"

A6 FINISH PLAN LEVEL 1 FLOOR PLAN
1/8" = 1'-0"

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PLAN NORTH / TRUE NORTH

SHEET NAME
FINISH FLOOR PLAN & MATERIAL SCHEDULE

SHEET NUMBER
A8.1

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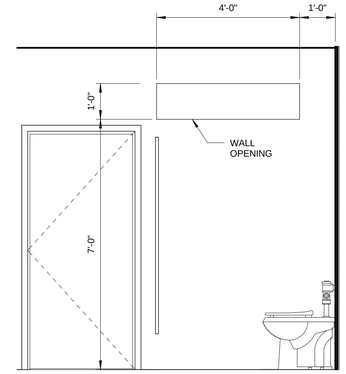
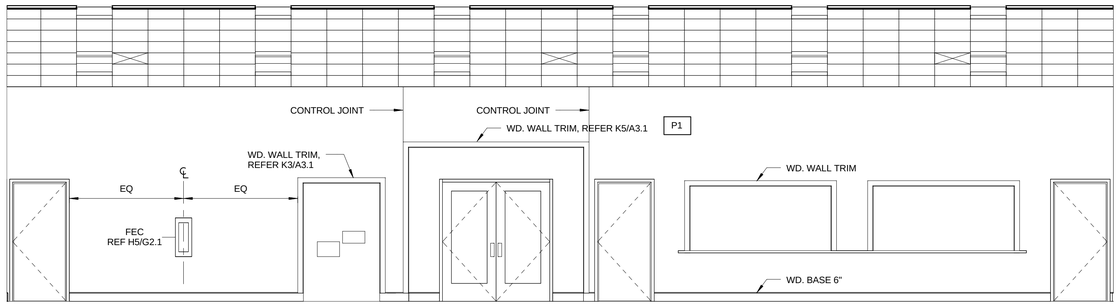
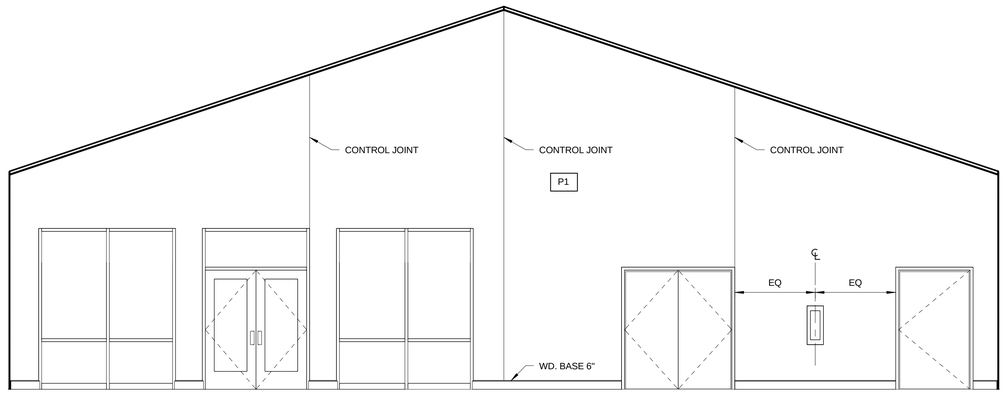


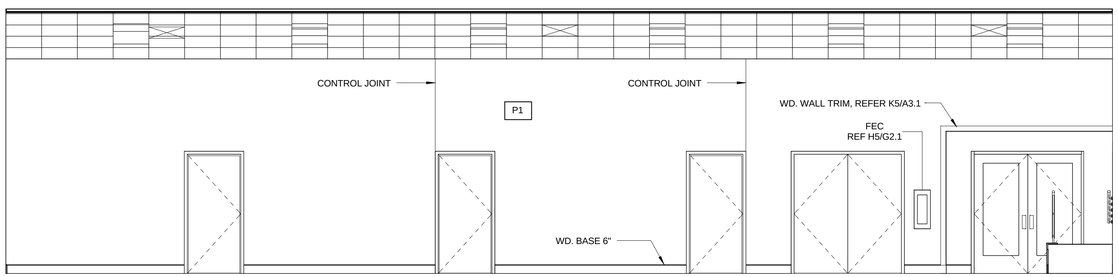
J13 INTERIOR ELEVATION 102 NORTH
1/2" = 1'-0"



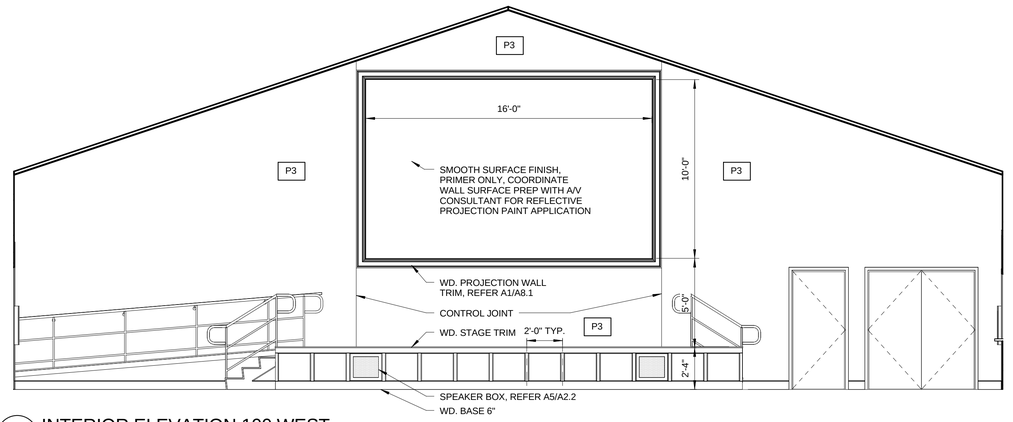
E1 INTERIOR ELEVATION 100 NORTH
1/4" = 1'-0"



E9 INTERIOR ELEVATION 100 EAST
1/4" = 1'-0"



A1 INTERIOR ELEVATION 100 SOUTH
1/4" = 1'-0"



A9 INTERIOR ELEVATION 100 WEST
1/4" = 1'-0"

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PLAN NORTH
TRUE NORTH

SHEET NAME
INTERIOR ELEVATIONS

SHEET NUMBER
A8.2

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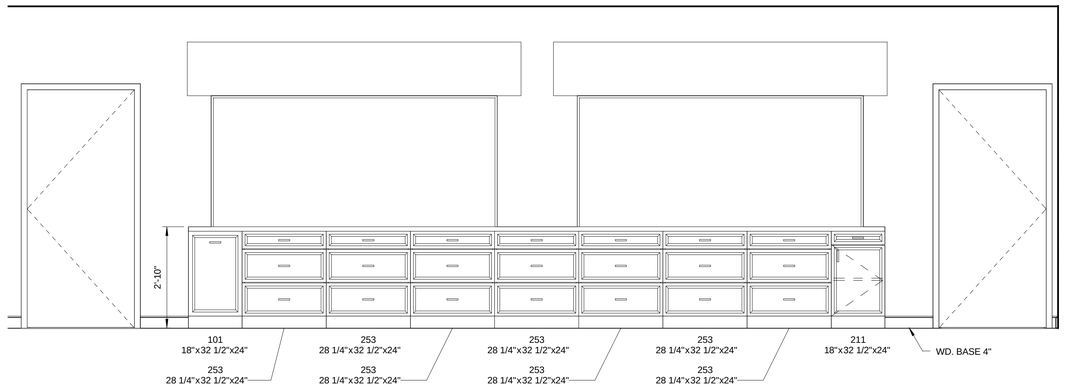
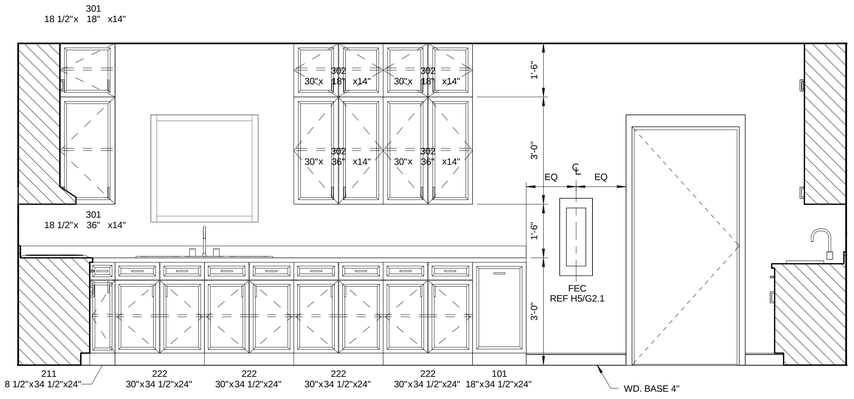
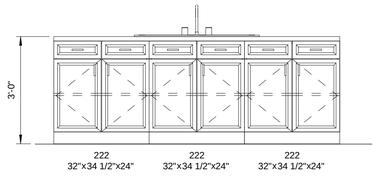


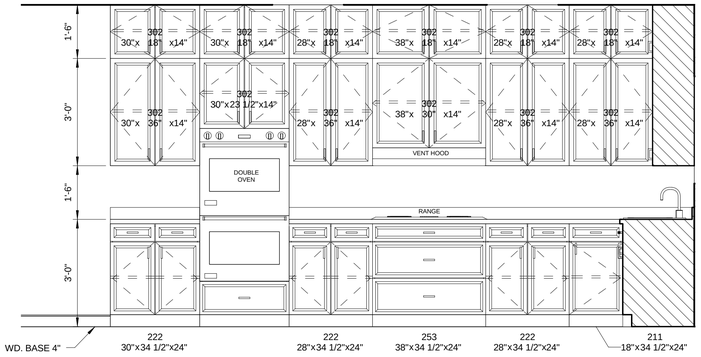
H1 CASEWORK SIDE A
1/2" = 1'-0"



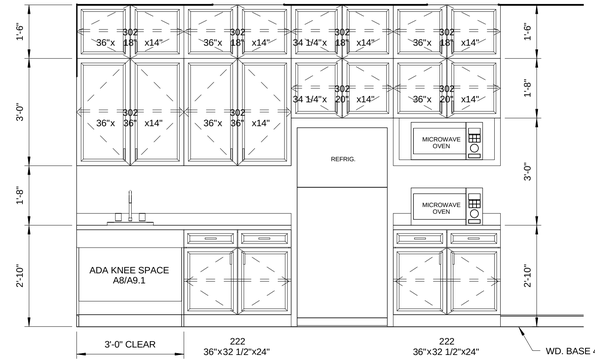
5 CASEWORK SIDE C
1/2" = 1'-0"



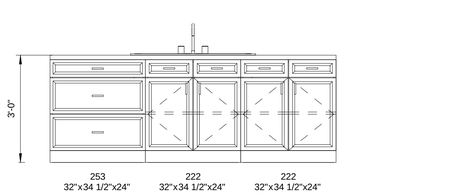
G1 CASEWORK ISLAND
1/2" = 1'-0"



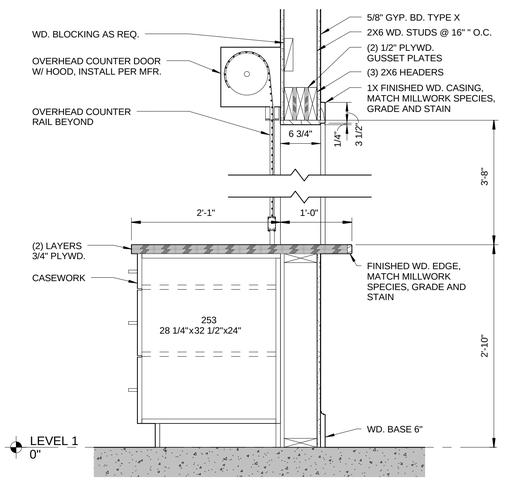
E5 CASEWORK SIDE B
1/2" = 1'-0"



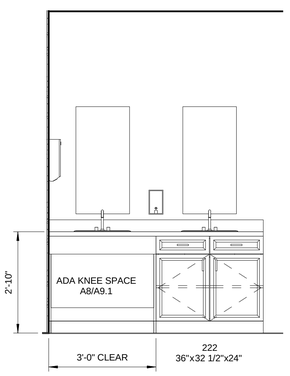
E11 CASEWORK SIDE D
1/2" = 1'-0"



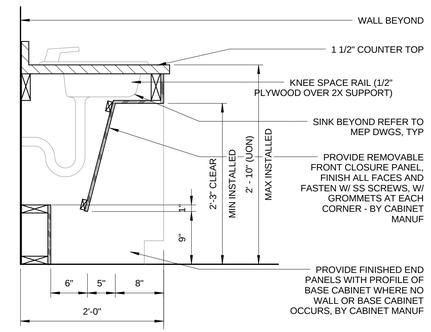
E1 CASEWORK ISLAND
1/2" = 1'-0"



A1 SD_OCD
1" = 1'-0"



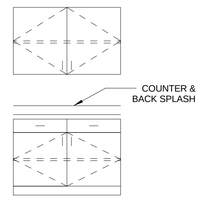
A5 CASEWORK RESTROOMS
1/2" = 1'-0"



A8 ADA KNEESPACE DETAIL
1" = 1'-0"

CASEWORK LEGEND

MODEL#
WIDTHxHEIGHTxDEPTH
REMARKS



MODEL#
WIDTHxHEIGHTxDEPTH
REMARKS

NOTE:

GENERAL CASEWORK MODEL NUMBERS ARE BASED ON AMERICAN WOODWORKING INSTITUTE STANDARDS AND PROVIDE A BASIS FOR DESIGN. REFER TO SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS.

BASE CABINET HEIGHT IS GIVEN TO THE BOTTOM OF 1 1/2" COUNTER TOP

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ZION LUTHERAN CHURCH
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1014 743

PLAN NORTH
TRUE NORTH

SHEET NAME
INTERIOR MILLWORK/ CASEWORK ELEVATIONS
SHEET NUMBER
A9.1

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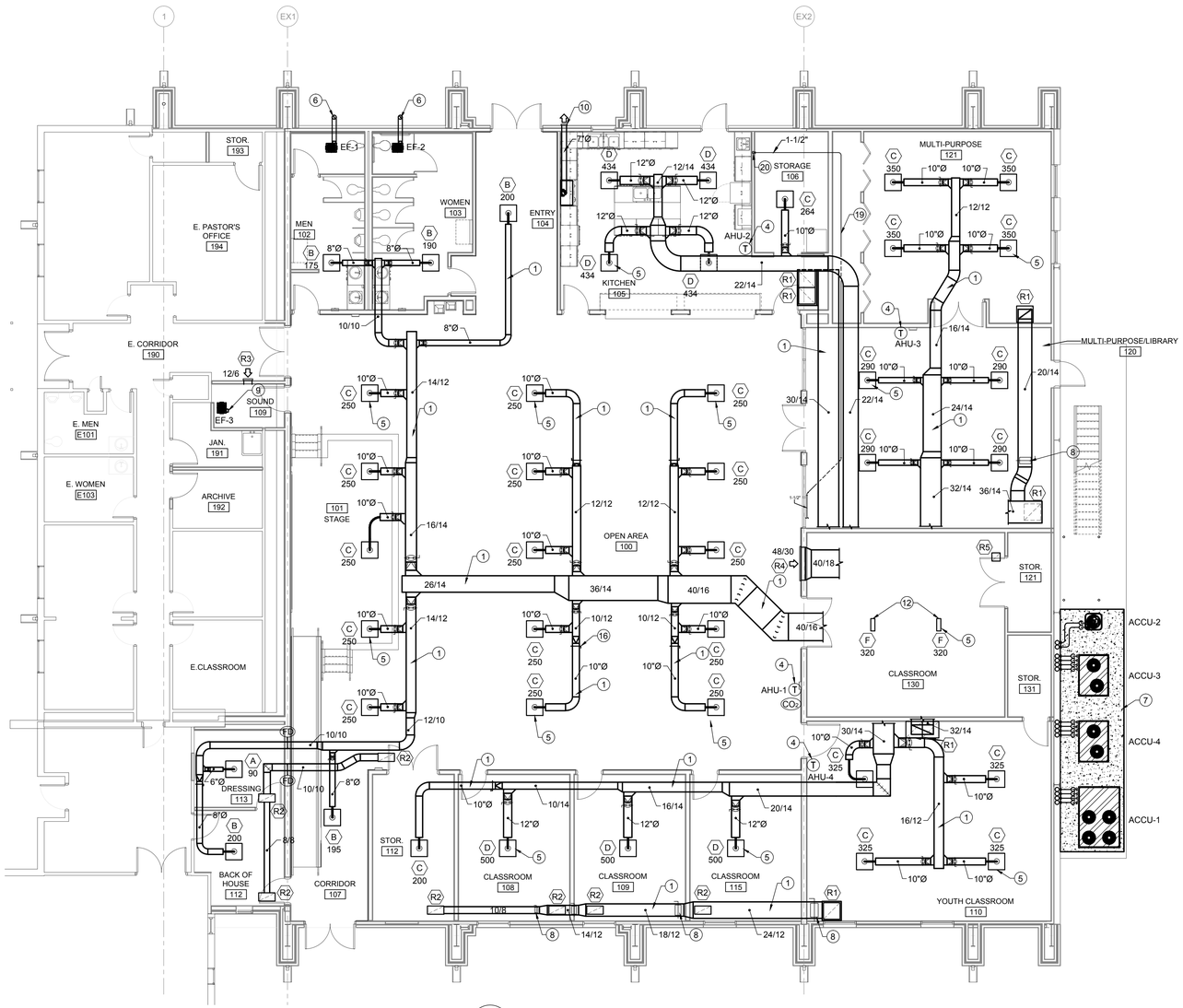
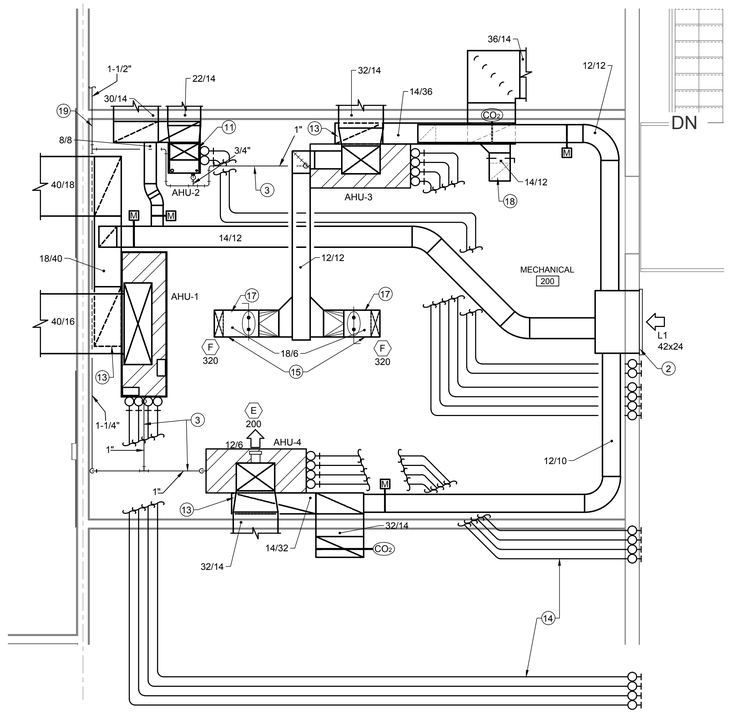


1 HVAC FLOOR PLAN

SCALE: 1/8" = 1'-0"

HVAC KEYED NOTES

1. HOLD ALL DUCTWORK AS HIGH TO STRUCTURE AS POSSIBLE.
2. COORDINATE LOUVER HEIGHT WITH ARCHITECT. OUTSIDE AIR PLENUM SAME SIZE AS LOUVER DUCT CONNECTION BY 30" DEEP. SLOPE BOTTOM OF PLENUM TOWARD LOUVER.
3. COPPER INSULATED CONDENSATE DRAIN AND P-TRAP. DROP TO ABOVE CEILING BELOW AND EXTEND AS INDICATED. PROVIDE MIRO INDUSTRIES OR EQUAL ADJUSTABLE FLOOR SUPPORTS ATTACHED TO FLOOR.
4. COORDINATE THERMOSTAT LOCATIONS AND HEIGHT WITH ARCHITECT, ELECTRICAL SWITCHES PRIOR TO CONSTRUCTION. (TYPICAL)
5. COORDINATE LOCATION OF AIR DEVICES WITH ELECTRICAL TO AVOID LIGHT FIXTURES. (TYPICAL)
6. PROVIDE IMPERIAL 6"Ø ALUMINUM SOFFIT EXHAUST VENT KIT, WITH BACKDRAFT DAMPER, SKU#VT0542.
7. OWNER TO PROVIDE CONDENSING UNIT PAD. INSTALL CONDENSING UNITS ON PAD AND SECURE EQUIPMENT TO PAD IN ACCORDANCE TO WINDSTORM REQUIREMENTS.
8. PROVIDE MANUAL BALANCING DAMPERS AT EACH DUCT CONNECTION IN RETURN AIR. (TYPICAL)
9. EXHAUST FAN TO DISCHARGE ABOVE CEILING.
10. PROVIDE HOOD DUCT ADAPTOR #407 AND BROAN ALUMINUM WALL CAP M/N# 639 WITH BACK DRAFT DAMPER.
11. MOUNT AIR HANDLING UNIT ON GALVANIZED CHANNEL STAND OR WOOD PLATFORM, MINIMUM 24" HIGH. LINE PLENUM WITH GYP. BOARD AND SEAL AIR TIGHT. PROVIDE MINIMUM R-8 RIGID FIBER BOARD LINER INSULATION. PROVIDE SECONDARY DRAIN PIPE WITH INLINE SHUT OFF SWITCH (SAFE-T-SWITCH OR EQUAL) INTERLOCKED FOR UNIT SHUT DOWN. ROUTE SECONDARY DRAIN PIPE TO EAVE, TERMINATE FLUSH WITH STAINLESS STEEL ESCUTCHEON.
12. ROUTE 18/6 SUPPLY DUCT DOWN THOUGH MEZZANINE FLOOR AND CONNECT TO AIR DEVICE IN CEILING BELOW. COORDINATE WITH STRUCTURE. SEAL WATER TIGHT AROUND DUCT AT FLOOR PENETRATION.
13. CONNECT RETURN AIR DUCT TO RETURN OPENING SIZE. (TYPICAL ALL UNITS)
14. SUPPORT REFRIGERATION PIPING WITH TRAPEZE SUPPORTS AS HIGH TO STRUCTURE AS POSSIBLE (TYPICAL).
15. PROVIDE QUICK CONNECT (DUCTMATE OR EQUAL) CONNECTIONS AT FLOOR PENETRATION AND AT ELBOW ABOVE AHU-1.
16. MANUAL VOLUME DAMPER (TYPICAL).
17. PROVIDE MINIMUM R-6 DUCT LINER INSULATION. ADDITIONAL EXTERIOR DUCT WRAP INSULATION NOT REQUIRED.
18. ROUTE 14/12 RETURN BRANCH DUCT DOWN THOUGH MEZZANINE FLOOR AND CONNECT TO AIR DEVICE IN CEILING BELOW. COORDINATE WITH STRUCTURE. SEAL WATER TIGHT AROUND DUCT AT FLOOR PENETRATION.
19. ROUTE ABOVE CEILING, MAINTAIN 1/8" SLOPE ON CONDENSATE DRAIN LINE. PROVIDE CLEVIS HANGER SUPPORT.
20. DROP 1-1/2" INSULATED COPPER CONDENSATE DRAIN LINE INTO CONDENSATE WALL BOX, REFER TO PLUMBING DRAWINGS.



2 HVAC FLOOR PLAN - MECH. RM.200

SCALE: 1/4" = 1'-0"

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VICTORIA, TX

DATE ISSUED:
MAR. 02, 2015

PROJECT NUMBER:
1014 743

PLAN NORTH / TRUE NORTH

SHEET NAME
HVAC FLOOR PLANS

SHEET NUMBER
M2.1

STATE OF TEXAS
R. DAVID MORALES
108769
LICENSED PROFESSIONAL ENGINEER
3/2/15

STRIDDE, CALLINS & ASSOCIATES INC.
CONSULTING ENGINEERS
MECHANICAL ELECTRICAL
(361) 883-9199
Fax (361) 883-9172
342 S. Navigation Blvd.
Corpus Christi, TX 78405-3618
Registration # F-006328

AIR COOLED CONDENSING UNIT

MARK	OUTDOOR AMBIENT (°F)	NOMINAL CAPACITY MBTUH	NO. OF COMPRESSORS	ELECTRICAL					MANUFACTURER & MODEL NO.
				V/P/H	FAN FLA	COMPRESSOR RLA	MCA	MOCP	
ACCU-1	100	180.0	2	208/3/60	2@5.0	2@25.0	66.3	80	TRANE TTA180E3
ACCU-2	100	60.0	1	208/3/60	0.9	15.6	21.0	35	TRANE 4TTA3060
ACCU-3	100	120.0	2	208/3/60	5.0	2@16.0	41.0	45	TRANE TTA120
ACCU-4	100	120.0	2	208/3/60	5.0	2@16.0	41.0	45	TRANE TTA120

NOTES: (APPLICABLE TO ALL ACCU'S)

1. MAINTAIN MANUFACTURER'S RECOMMENDED DISTANCES FOR MAINTENANCE.
2. REFRIGERANT PIPE SIZE SHOWN ARE FOR REFERENCE PURPOSES ONLY. CONFIRM EXACT SIZES WITH MANUFACTURER AND ADJUST AS NECESSARY. COMPLETE REFRIGERANT PIPING INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE SIGHT GLASS AT ACCU.
4. PROVIDE LOW AMBIENT CONTROL TO 0° F.
5. PROVIDE SHORT CYCLE PROTECTION.
6. PROVIDE HIGH AND LOW PRESSURE SWITCHES WITH MANUAL RESET.
7. PROVIDE CRANKCASE HEATER.
8. PROVIDE ACCUMULATOR WHEN RECOMMENDED BY MANUFACTURER.
9. PROVIDE DOUBLE SUCTION RISER WHERE RECOMMENDED BY MANUFACTURER.
10. ACCU-1, ACCU-3, ACCU-4: PROVIDE TWO CIRCUITS WITH RAWAL APR DEVICE ON FIRST STAGE.
11. REFRIGERANT PIPE SIZE SHOWN FOR REFERENCE ONLY. VERIFY REFRIGERANT PIPE SIZE REQUIREMENTS WITH MANUFACTURER.

AIR HANDLING UNIT SCHEDULE - DIRECT EXPANSION

MARK	FAN				COOLING COIL				ELECTRICAL						MANUFACTURER & MODEL NO.
	SUPPLY CFM	OUTDOOR AIR CFM	E.S.P. IN. WG	MOTOR H.P.	TOTAL CAPACITY MBTUH	SENSIBLE CAPACITY MBTUH	ENTERING AIR DB/WB (°F)	LEAVING AIR DB/WB (°F)	FAN FLA	HEATER KW	HEATER STAGES	MCA	MOCP	V/P/H	
AHU-1	4800	580	0.8	3	169.0	122.1	78.0/65.0	56.2/53.7	9.4	37	2	142	150	208/3/60	TRANE TWE180
AHU-2	2000	100	0.8	1	57.5	44.2	75.4/63.2	54.8/52.8	5.5	7.2	1	31.0	35	208/1/60	TRANE TAM7B0C60
AHU-3	3200	550	0.8	2	110.9	83.0	80.4/66.8	56.8/55.6	6.2	26	2	103	110	208/3/60	TRANE TWE120
AHU-4	3200	480	0.8	2	108.1	85.4	79.5/65.3	55.3/54.1	6.2	26	2	103	110	208/3/60	TRANE TWE120

NOTES:

1. SINGLE POINT POWER CONNECTION.
2. PROVIDE 1"x4"x4" NEOPRENE RUBBER ISOLATION PADS UNDER EACH CORNER OF UNIT.
3. PROVIDE INTEGRAL FACTORY INSTALLED AND WIRED CONTROLS: FAN CONTACTOR, LOW VOLTAGE TRANSFORMER, CONTROL WIRING TERMINAL STRIP AND DISCONNECT.
4. MAINTAIN MANUFACTURER'S RECOMMENDED DISTANCES FOR MAINTENANCE.
5. PROVIDE CONDENSATE DRAIN P-TRAP AT DRAIN OUTLET. ADJUST RUNNER HEIGHT AS REQUIRED TO ACCOMMODATE P-TRAP, MINIMUM 4" HIGH.
6. PROVIDE 7-DAY PROGRAMMABLE DIGITAL THERMOSTAT, 2 STAGE COOLING, 2 STAGE HEATING WITH AUTOMATIC CHANGEOVER.
7. PROVIDE SMOKE DETECTOR WIRED FOR AIR HANDLING UNIT SHUT DOWN.
8. PROVIDE 2" THICK, MERV-A FILTER.
9. AHU-1, AHU-3, AHU-4: PROVIDE ALL ECM MOTOR, CONTROLS AND ACCESSORIES REQUIRED FOR SINGLE ZONE VARIABLE AIR VOLUME OPERATION.
10. PROVIDE MINIMUM TWO STAGE COOLING OPERATION.

SYMBOLS AND ABBREVIATIONS

12/10 12 10	DUCT SIZE, (FIRST OR TOP NO. INDICATES SIDE FACING VIEWER)
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	RETURN, EXHAUST, OR O/A DUCT UP
	RETURN, EXHAUST, OR O/A DUCT DOWN
	FLEXIBLE DUCT CONNECTION
	RECTANGULAR DUCT ELBOW WITH TURNING VANES
MVD	MANUAL MULTI-LEAF VOLUME DAMPER WITH LOCKING QUADRANT
FDX	FIRE DAMPER WITH FUSIBLE LINK - REFER TO SCHEDULE FOR DESCRIPTION
R	DUCT RISE IN DIRECTION OF AIR FLOW
D	SLOPED DUCT DROP IN DIRECTION OF AIR FLOW
L A.P. OR A.P.	DUCT ACCESS PANEL
FD	FIRE/ SMOKE DAMPER
M	MOTORIZED DAMPER
AF	AIRFLOW METER
000	AIR DEVICE DESIGNATION AND AIR FLOW (CFM)
H	DEWPOINT SENSOR (SUBSCRIPT IDENTIFIES ZONE)
T	THERMOSTAT (SUBSCRIPT IDENTIFIES ZONE)
S	TEMPERATURE SENSOR (SUBSCRIPT IDENTIFIES ZONE)
CO_2	CARBON DIOXIDE SENSOR
CHR	CHILLED WATER RETURN PIPING
CHS	CHILLED WATER SUPPLY PIPING
CW	COLD WATER (MAKE-UP) PIPING
CWR	CONDENSER WATER RETURN PIPING
CWS	CONDENSER WATER SUPPLY PIPING
D	DRAIN PIPING
	GATE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CONTROL VALVE, TWO WAY
	CONTROL VALVE, THREE WAY
	CHECK VALVE
	PRESSURE-RELIEF VALVE
	AUTOMATIC AIR VENT

	ECCENTRIC REDUCER
	CONCENTRIC REDUCER
	TEE UP, TEE DOWN
	ELBOW UP, ELBOW DOWN
	UNION
	STRAINER WITH BLOW-OFF
	THERMOMETER WITH WELL
	THERMOMETER WELL ONLY
	PRESSURE GAUGE WITH COCK
	GAUGE COCK ONLY
	VENTURI FLOW TUBE
AAV	AUTOMATIC AIR VENT
AD	ACCESS DOOR
AF	AIR FOIL
AHU	AIR HANDLING UNIT
BPV	BY-PASS VALVE
CCW	COUNTER CLOCKWISE
CW	CLOCKWISE
CV	CONSTANT VOLUME
E.D.H.	ELECTRIC DUCT HEATER
ERTU	EXISTING ROOFTOP AIR HANDLING UNIT
EFC	EXISTING FAN COIL
EF	EXHAUST FAN
EEF	EXISTING EXHAUST FAN
ESF	EXISTING SUPPLY FAN
FC/FCU	FAN COIL / FAN COIL UNIT
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
IAQ	INDOOR AIR QUALITY
IV	ISOLATION VALVE
LH	LEFT HAND FAN ORIENTATION
OA	OUTSIDE AIR
RH	RIGHT HAND FAN ORIENTATION
RTU	ROOFTOP AIR HANDLING UNIT
SF	SUPPLY FAN
SS	STAINLESS STEEL
UBF	UPBLAST FRONT
UBR	UPBLAST REAR
UV	UNIT VENTILATOR
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
WP	WEATHERPROOF

FAN SCHEDULE

DESIG.	CFM	E.S.P.	H.P. (WATTS)	V/P/H	RPM	TYPE	SERVICE	SONES	MANUFACTURER & MODEL NO.	CONTROL	WEIGHT WITH CURB (LBS.)
EF-1	280	0.50	125	120/1/60	1152	CD	RESTROOMS	4.1	COOK GC-520	A	32
EF-2	280	0.50	125	120/1/60	1152	CD	RESTROOMS	4.1	COOK GC-520	A	32
EF-3	200	0.13	83	120/1/60	986	CD	SOUND ROOM	4.0	COOK GC-186	B	16

NOTES:

1. PROVIDE INTEGRAL BACKDRAFT DAMPER.
2. PROVIDE THERMAL PROTECTION.
3. PROVIDE INTERNAL DISCONNECT SWITCH, FACTORY MOUNTED.
4. PROVIDE BIRD SCREEN.
5. PROVIDE INLET GRILLE.
6. PROVIDE WITH SPEED CONTROL MOUNTED WITHIN FAN HOUSING.

GENERAL NOTES: (APPLICABLE TO ALL FAN'S)

A. MAINTAIN MANUFACTURER'S RECOMMENDED DISTANCES FOR MAINTENANCE.
B. MAINTAIN 10' MINIMUM CLEARANCE BETWEEN OA AND EXHAUST AIR.

TYPE:

CD - CEILING MOUNTED CABINET EXHAUSTER - DIRECT DRIVE

CONTROL:

A- INTERLOCK WITH AHU-3.
B- SWITCH ON WALL.

HVAC GENERAL NOTES

1. THESE GENERAL NOTES APPLY TO ALL HVAC DRAWINGS.
2. DUCT SIZES ARE INSIDE CLEAR DIMENSIONS. ADJUST AS NECESSARY TO ALLOW FOR LINER.
3. PROVIDE SHEET METAL SHOP DRAWINGS FOR DUCT WORK PRIOR TO FABRICATION OF DUCTWORK. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONS AND MECHANICAL CLEARANCES AND LOCATIONS OF AIR DEVICES.
4. PROVIDE FLEXIBLE CONNECTION AT DUCT ATTACHMENTS TO AHU'S, PRTU'S, EF'S.
5. HVAC EQUIPMENT SUBMITTED OTHER THAN SCHEDULED MANUFACTURER'S SHALL NOT EXCEED PHYSICAL DIMENSIONS DUE TO SPACE LIMITATIONS.
6. ALL PIPING AND DUCTWORK PENETRATIONS OF FIRE-RATED BARRIERS SHALL BE PROTECTED WITH FIRE BLOCKING MATERIAL PER SPECIFICATIONS.
7. MANUAL VOLUME DAMPERS INSTALLED IN RECTANGULAR DUCTWORK SHALL BE OPPOSED BLADE TYPE. MANUAL VOLUME DAMPERS INSTALLED IN ROUND DUCTWORK SHALL BE BUTTERFLY TYPE.
8. BALANCING DAMPERS IN EXTERNALLY INSULATED DUCTWORK SHALL BE PROVIDED WITH A BUILD-OUT ON DAMPER OPERATOR TO EXTEND OPERATOR HANDLE TO OUTSIDE OF INSULATION.
9. CONCEALED DUCTWORK TO HAVE OPERABLE QUADRANTS ON BALANCING DAMPERS.
10. PROVIDE ACCESS TO ALL CONTROL, MOTORIZED, BALANCING AND FIRE DAMPERS.
11. PROVIDE ACCESS DOORS IN DUCTS AND CEILINGS WHERE NECESSARY.
12. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND DETERMINE ALL EXISTING CONDITIONS WHICH MAY AFFECT HIS WORK. ANY CONDITIONS RESULTING IN ADDITIONAL WORK ARISING AFTER AWARD OF CONTRACT AND START OF CONSTRUCTION WHICH COULD HAVE BEEN AVOIDED AND/OR RESOLVED HAD THE CONTRACTOR VISITED THE SITE AND OBSERVED EXISTING CONDITIONS SHALL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
13. TEMPERATURE CONTROL CABLING MAY BE RUN EXPOSED ONLY ABOVE ACCESSIBLE CEILINGS. ALL CABLING INSTALLED IN WALLS AND BELOW CEILINGS IN UNFINISHED SPACES MUST BE INSTALLED IN CONDUIT. REFER TO SPECIFICATIONS.
14. TEMPERATURE CONTROL CABLING ABOVE CEILINGS SHALL BE NEATLY BUNDLED AND SECURELY SUPPORTED TO THE BUILDING ROOF STRUCTURE. ALL SUCH CABLING ABOVE ACCESSIBLE CEILINGS SHALL BE ROUTED SQUARE WITH BUILDING LINES.
15. JOBSITE VERIFY LOCATION OF CO_2 SENSORS AND TEMPERATURE SENSORS PRIOR TO INSTALLATION.

AIR DEVICE SCHEDULE

DESIG.	NECK SIZE	TYPE	SERVICE	DAMPER	MOUNTING	MANUFACTURER & REMARKS
A	6"Ø	DIFFUSER	SUPPLY	-	LAY-IN	TITUS TMS-AA, 4-WAY DISCHARGE, ALUMINUM CONSTRUCTION, 24" X 24" LAY-IN PANEL, WHITE FINISH
B	8"Ø	DIFFUSER	SUPPLY	-	LAY-IN	TITUS TMS-AA, 4-WAY DISCHARGE, ALUMINUM CONSTRUCTION, 24" X 24" LAY-IN PANEL, WHITE FINISH
C	10"Ø	DIFFUSER	SUPPLY	-	LAY-IN	TITUS TMS-AA, 4-WAY DISCHARGE, ALUMINUM CONSTRUCTION, 24" X 24" LAY-IN PANEL, WHITE FINISH
D	12"Ø	DIFFUSER	SUPPLY	-	LAY-IN	TITUS TMS-AA, 4-WAY DISCHARGE, ALUMINUM CONSTRUCTION, 24" X 24" LAY-IN PANEL, WHITE FINISH
E	12x6	REGISTER	SUPPLY	-	SIDEWALL	TITUS 300FL, 2-WAY ADJUSTABLE DISCHARGE, ALUMINUM CONSTRUCTION, WHITE FINISH
F	18X6	DIFFUSER	SUPPLY	-	SURFACE	TITUS TDC-AA, 4-WAY DISCHARGE, ALUMINUM CONSTRUCTION, 18" X 6" GYP CEILING, WHITE FINISH
R1	22X22	REGISTER	RETURN	OBVD	LAY-IN	TITUS 50F, 1/2"X1/2"X1/2" CUBE CORE ALUMINUM CONSTRUCTION, WHITE FINISH
R2	22X10	REGISTER	RETURN	OBVD	LAY-IN	TITUS 50F, 1/2"X1/2"X1/2" CUBE CORE ALUMINUM CONSTRUCTION, WHITE FINISH
R3	12x6	REGISTER	TRANSFER	OBVD	SIDEWALL	TITUS 350FL, 35° FIXED DEFLECTION, 3/4" BLADE SPACING, ALUMINUM CONSTRUCTION, WHITE FINISH
R4	48x30	REGISTER	RETURN	OBVD	SIDEWALL	TITUS 350FL, 35° FIXED DEFLECTION, 3/4" BLADE SPACING, ALUMINUM CONSTRUCTION, WHITE FINISH
R5	12X12	REGISTER	RETURN	-	SURFACE	TITUS 50F, 1/2"X1/2"X1/2" CUBE CORE ALUMINUM CONSTRUCTION, WHITE FINISH

NOTES:

1. OBVD - OPPOSED BLADE VOLUME DAMPER.
2. CONTRACTOR IS RESPONSIBLE TO PROVIDE THE AIR DEVICE FRAME AND MOUNTING SYSTEM TO MATCH THE ARCHITECT CEILING TYPES. SEE ARCHITECTURAL DRAWINGS FOR COORDINATION.
3. CONFIRM AIR DEVICE COLOR WITH ARCHITECT.
4. ON ALL REGISTERS, PROVIDE CONCEALED FRAME MOUNTING. NO SCREWS SHALL BE IN FACE OF FRAME.
5. NECK SIZE IS NOTED ON THE DRAWINGS AND SHALL BE THE SAME SIZE AS THE DUCT RUNOUT TO THE DIFFUSER.
6. PROVIDE PLASTER FRAMES AS NEEDED TO SUPPORT AIR DEVICE IN GYP BOARD CEILING.

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Rawley McCoy & Associates
ARCHITECTS AND INTERIOR DESIGNERS

RAWLEY McCOY
REGISTERED ARCHITECT
REGISTRATION NO. 6123
STATE OF TEXAS

ADDITION
ZION LUTHERAN CHURCH
VICTORIA, TX

DATE ISSUED:
MAR. 02, 2015

PROJECT NUMBER:
1014 743

PLAN NORTH / TRUE NORTH

SHEET NAME
HVAC SCHEDULES

SHEET NUMBER
M2.2

STATE OF TEXAS
R. DAVID MORALES
108769
PROFESSIONAL ENGINEER
3/2/15

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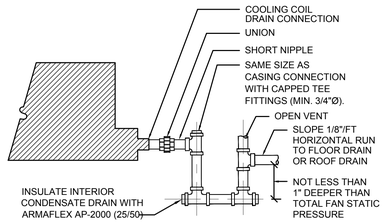
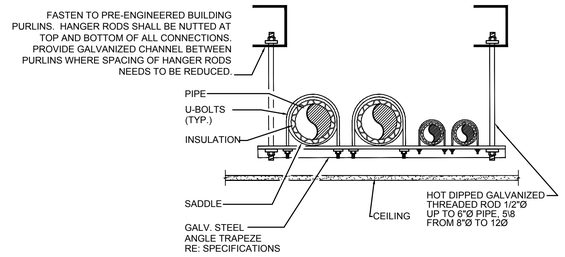


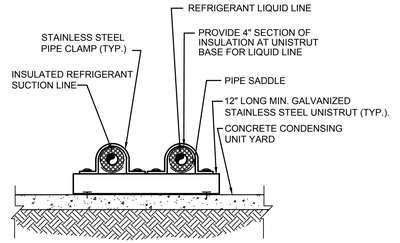
NOTE:
1. MAINTAIN MINIMUM 1" AIR GAP AT FLOOR DRAIN OR ROOF DRAIN.
2. ALL CONDENSATE DRAIN PIPING SHALL BE COPPER PIPE AND FITTINGS.

1 M2.3 DETAIL – COOLING COIL CONDENSATE DRAIN
SCALE: NOT TO SCALE



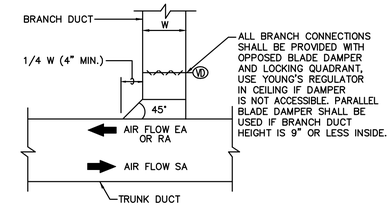
NOTE: CONTRACTOR SHALL SECURE STRUCT. ENG. APPROVAL FOR ANY AND ALL PIPE MOUNTING DETAILS AT CONCRETE OR STEEL STRUCTURE.

2 M2.3 DETAIL – PIPE HANGER TRAPEZE
SCALE: NOT TO SCALE



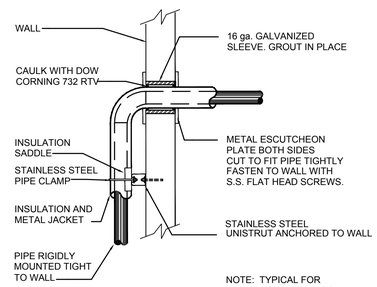
NOTE: PROVIDE SUPPORTS AT 3'-0" ON CENTERS WITHIN 1'-0" OF ALL CHANGES IN PIPE DIRECTION. PROVIDE A SUPPORT AT THE BOTTOM OF ALL RISERS.

3 M2.3 DETAIL – GRADE MOUNTED REFR. PIPE
SCALE: NOT TO SCALE



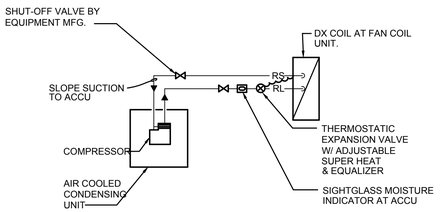
NOTE: THIS CONNECTION SHALL BE TYPICAL FOR ALL RECTANGULAR BRANCH DUCT CONNECTIONS TO RECTANGULAR TRUNK DUCTS, INCLUDING SUPPLY, RETURN, OUTSIDE AIR AND EXHAUST DUCTS.

4 M2.3 DETAIL – BRANCH TAKE OFF
SCALE: NOT TO SCALE



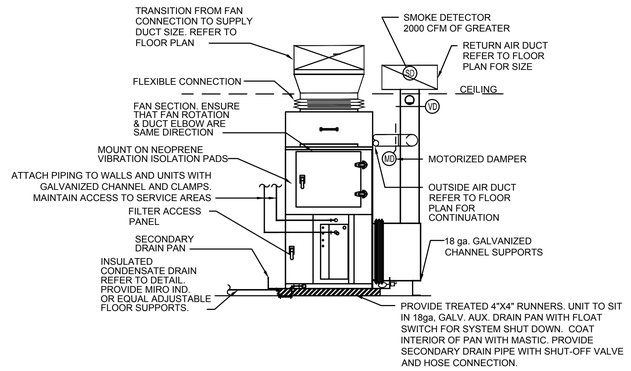
NOTE: TYPICAL FOR UNINSULATED PIPE.

5 M2.3 DETAIL – PIPE ENTRY THRU EXTERIOR WALL
SCALE: NOT TO SCALE



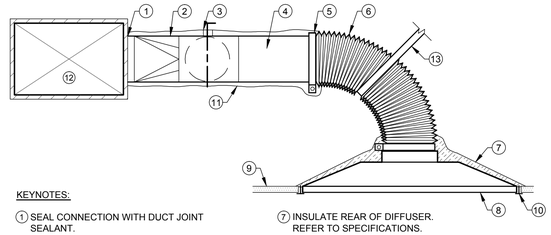
NOTE: 1. TYPICAL FOR EACH SEPARATE REFRIGERANT CIRCUIT.
2. COORDINATE WITH EQUIPMENT MFG. TO PROVIDE FILTER DRYER AND SHUT OFF VALVES.
3. USE "ACR" HARD DRAWN COPPER REFRIGERANT PIPE.

6 M2.3 DETAIL – REFRIGERANT PIPING SCHEMATIC
SCALE: NOT TO SCALE



NOTE: ALL CONDENSATE DRAIN PIPING SHALL BE TYPE "M" COPPER

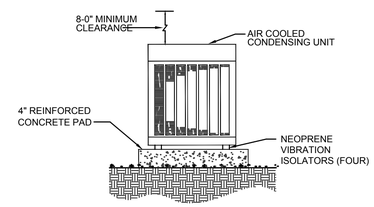
7 M2.3 DETAIL – VERTICAL DX FAN COIL UNIT (AHU–1, AHU–3, AHU–4)
SCALE: NOT TO SCALE



KEYNOTES:

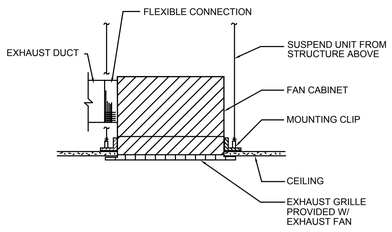
1. SEAL CONNECTION WITH DUCT JOINT SEALANT.
2. 45° TAKE-OFF AND DAMPER COMBINATION. FLEXMASTER TYPE STOD-B03 OR APPROVED EQUAL.
3. BUILD-OUT WITH LOCKING QUADRANT. SEAL INSULATION WITH CANVAS CLOTH MASTIC.
4. ROUND METAL DUCT.
5. PLASTIC DUCT STRAP. (TYPICAL)
6. INSULATED FLEXIBLE DUCT. WITH RADIUS IN ACCORDANCE WITH MANUFACTURERS DIRECTIONS. (MAX. LENGTH 6'-0")
7. INSULATE REAR OF DIFFUSER. REFER TO SPECIFICATIONS.
8. SUPPLY AIR DIFFUSER.
9. CEILING. REFER TO ARCHITECTURAL FOR TYPE AND HEIGHT.
10. BORDER PER CEILING TYPE. REFER TO HVAC SCHEDULES AND ARCHITECTURAL DIVISION.
11. INSULATE PER SPECS.
12. SUPPLY TRUNK DUCT. REFER HVAC PLANS FOR SIZE.
13. 2" WIDE FLEXIBLE STRAP. SUPPORT FROM STRUCTURE ABOVE.

8 M2.3 DETAIL – SUPPLY DIFFUSER RUNOUT
SCALE: NOT TO SCALE



NOTE:
1. CLEARANCE AROUND UNIT FOR AIR FLOW AND SERVICE PER MANUFACTURER INSTALLATION INSTRUCTIONS.
2. SECURE TO CONCRETE PAD AS PER LOCAL WINDSTORM REQUIREMENTS.

9 M2.3 DETAIL – CONDENSING UNIT MOUNTED ON GRADE
SCALE: NOT TO SCALE



NOTE: PROVIDE FAN U.L RADIATION DAMPER FOR FIRE RATED CEILING.

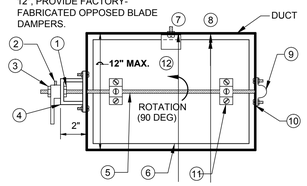
10 M2.3 DETAIL – CEILING MOUNTED EXHAUST FAN
SCALE: NOT TO SCALE

KEYNOTES:

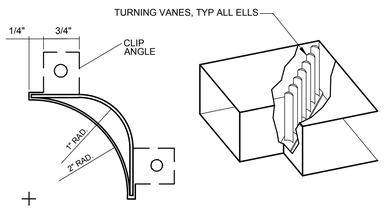
1. ROD POSITIONING NUT HANDLE WITH SET SCREW.
2. ALIGN HANDLE WITH DAMPER BLADE. ENSURE THAT FULL 90° DAMPER BLADE MOVEMENT IS UNOBSTRUCTED.
3. BLADE POSITION LOCKNUT.
4. 2" STAND-OFF BRACKET, BOLT TO DUCT.
5. 3/8" DIA. THREADED ROD.
6. 16 GA. STEEL BLADE.
7. STEEL ANGLE BLADE STOP, BOLT TO DUCT.
8. 1/4" CLEARANCE ALL-AROUND.
9. BEARING FITTING, BOLT TO DUCT.
10. ENSURE BOLTS CLEAR BLADE, OR INSTALL THEM IN OPPOSING CORNERS AWAY FROM BLADE ROTATION.
11. STEEL CLAMP, BOLT TO BLADE. PROVIDE AN ADDITIONAL ANTI-SLIP BOLT THROUGH THE ROD.
12. FOR DUCT HEIGHTS MORE THAN 12", PROVIDE FACTORY-FABRICATED OPPOSED BLADE DAMPERS.

GENERAL NOTES:

1. DAMPERS SHALL BE SIMILAR FOR EQUIVALENT ROUND.
2. PROVIDE OPPOSED BLADE VOLUME DAMPER FOR DUCT SIZES LARGER THAN 12" HIGH.



11 M2.3 DETAIL – SINGLE LEAF MANUAL BALANCING DAMPER
SCALE: NOT TO SCALE



12 M2.3 DETAIL – TURNING VANES
SCALE: NOT TO SCALE

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ADDITION
ZION LUTHERAN CHURCH
VICTORIA, TX

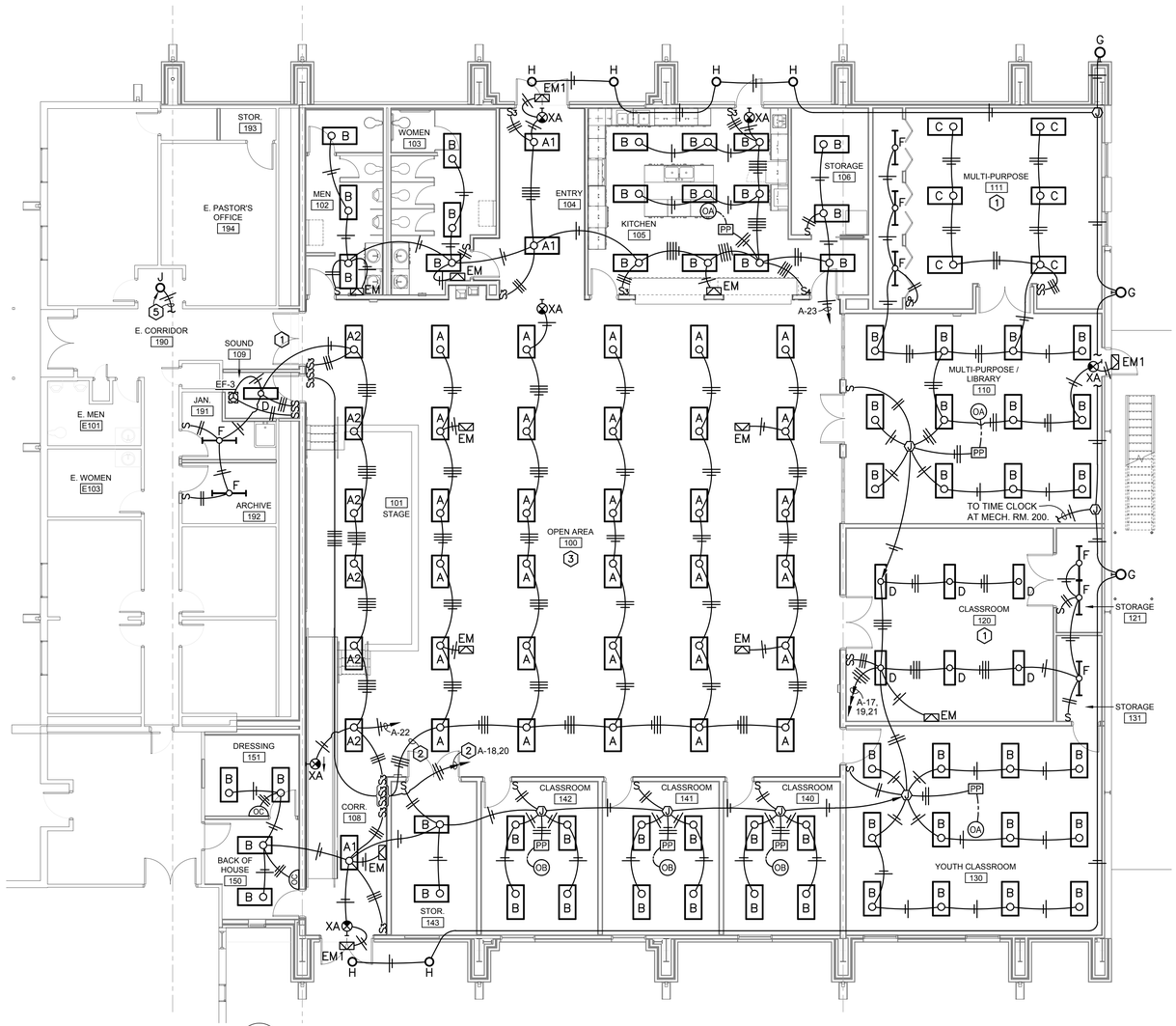
DATE ISSUED:
MAR. 02, 2015

PROJECT NUMBER:
1014 743

PLAN NORTH TRUE NORTH

SHEET NAME
HVAC DETAILS

SHEET NUMBER
M2.3

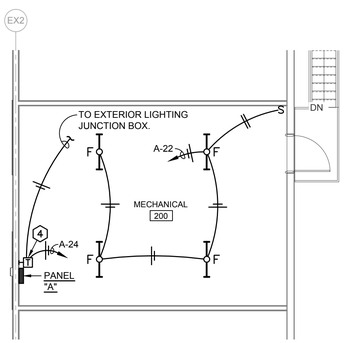


1 LIGHTING FLOOR PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. FIXTURES WITHIN SPACE SHALL BE FURNISHED AND CONNECTED SUCH THAT INBOARD LAMPS BALLAST ARE SWITCHED SEPARATELY FROM OUTBOARD LAMPS BALLAST.
2. EACH OF TWO (2) CIRCUITS SHALL SERVE DEDICATED 3-WAY SWITCH PAIR SUCH THAT EACH CIRCUIT SERVES 50% BALLAST LEAD OF EACH TYPE "A" FIXTURE. DERIVE UNSWITCHED CONDUCTOR FOR FIXTURES "EM" AND "XA" FROM LINE SIDE OF SWITCHES.
3. TYPE "A" FIXTURES WITHIN SPACE SHALL BE FURNISHED AND CONNECTED FOR 50% / 100% STEP CONTROL.
4. EXTERIOR LIGHTING CONTROL TIME CLOCK SHALL BE INTERMATIC T171CR.
5. PROVIDE NEW CONDUIT AND CONDUCTORS AS REQUIRED TO CONNECT NEW LIGHTING FIXTURE TYPE "J" TO EXISTING SWITCHED CORRIDOR LIGHTING (E.CORRIDOR 109). JOBSITE SURVEY EXISTING CONDITIONS PRIOR TO SUBMITTAL OF PROPOSAL.



2 LIGHTING FLOOR PLAN - MECH. RM.200

SCALE: 1/8" = 1'-0"

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	CATALOG REFERENCE	LAMPS	BALLAST/ DRIVER VOLTAGE	FINISH		MOUNTING	REMARKS
				BODY	DIFFUSER		
A	LITHONIA CAT. NO. 2RT5 54T5HO GEB95S LP835	2-F54T5HO 35K	MVOLT	WHITE ENAMEL	2-PIECE REFRACTOR	RECESSED	WITH 50% - 100% STEP CONTROL BALLAST.
A1	LITHONIA CAT. NO. 2RT5 28T5 GEB95 LPM835P	2-F28T5 35K	MVOLT	WHITE ENAMEL	2-PIECE REFRACTOR	RECESSED	
A2	LITHONIA CAT. NO. 2RT5 54T5HO GEB95 LP835	2-F54T5HO 35K	MVOLT	WHITE ENAMEL	2-PIECE REFRACTOR	RECESSED	
B	LITHONIA CAT. NO. 2GT8 232 A12125 GEB10IS LP841	2-F32T8 41K	MVOLT	WHITE ENAMEL	ACRYLIC PRISMATIC	RECESSED	
C	LITHONIA CAT. NO. 2GT8 332 A12125 GEB10IS LP841	3-F32T8 41K	MVOLT	WHITE ENAMEL	ACRYLIC PRISMATIC	RECESSED	WITH 1 - 1 LAMP BALLAST AND 1 - 2 LAMP BALLAST. CONNECT FOR TRI-LEVEL CONTROL.
D	LITHONIA CAT. NO. LB 332 GEB10IS	3-F32T8 41K	MVOLT	WHITE ENAMEL	ACRYLIC PRISMATIC	SURFACE	WITH 1 - 1 LAMP BALLAST AND 1 - 2 LAMP BALLAST. CONNECT FOR TRI-LEVEL CONTROL.
EM	LITHONIA CAT. NO. ELM2 LED EL N	LED FURNISHED	120 VOLT	WHITE THERMOPLASTIC	ACRYLIC	SURFACE WALL	PROVIDE WITH FACTORY INSTALLED BATTERY PACK. REFER TO SPECIFICATIONS FOR MOUNTING REQUIREMENTS.
EM1	LITHONIA CAT. NO. AFN DB EXT	2 - 6[W] XENON	NONE	BRONZE COAT POWDER	ACRYLIC PRISMATIC	SURFACE WALL	INSTALL WITH BOTTOM OF FIXTURE 6" ABOVE DOOR HEADER.
F	LITHONIA CAT. NO. C 232 GEB10IS WG	2-F32T8 41K	120 VOLT	WHITE ENAMEL	NONE	SURFACE OR PENDANT	WITH FACTORY WIREGUARD. COORDINATE LOCATION WITH DUCT, PIPING, AND STRUCTURE.
G	LITHONIA CAT. NO. DSXW1 LED 20C 530 40K TFTM DDB	36[W] LED 40K	MVOLT	BRONZE POWDER COAT	CLEAR ACRYLIC	SURFACE WALL	INSTALL AS HIGH AS POSSIBLE AT ELEVATION SELECTED BY OWNER.
H	LITHONIA CAT. NO. EVO 41/14 6AR	25[W] LED 41K	MVOLT	CRS	CLEAR ACRYLIC	RECESSED	
J	LITHONIA CAT. NO. RV6 40/10 R06AR TRW	14[W] LED 40K	120 VOLT	CRS	CLEAR	RECESSED	
XA	LITHONIA CAT. NO. LE S 1 R EL N	LED FURNISHED	120 VOLT	BRUSHED ALUMINUM	RED STENCIL	SURFACE	WITH FACTORY INSTALLED BATTERY PACK. PROVIDE MOUNTING HARDWARE FOR TOP / BACK MOUNTING.

ELECTRICAL LEGEND

NOTE: THIS IS A STANDARD LEGEND. ALL SYMBOLS AND ABBREVIATIONS HEREIN MAY NOT BE APPLICABLE TO THIS PROJECT.

SYMBOL	DESCRIPTION
	CEILING OUTLET WITH FIXTURE AS SCHEDULED
	WALL OUTLET WITH SURFACE MOUNTED FIXTURE AS SCHEDULED
	CEILING OUTLET WITH FLUORESCENT FIXTURE AS SCHEDULED
	WALL OUTLET WITH SURFACE MOUNTED FLUORESCENT FIXTURE AS SCHEDULED
S	WALL SWITCH - SEE WIRING DEVICE SCHEDULE
	RECEPTACLE - SEE WIRING DEVICE SCHEDULE
J	JUNCTION BOX
	120 VOLT SINGLE PHASE CONNECTION TO EQUIPMENT NOTED
	208 VOLT OR 240 VOLT SINGLE PHASE CONNECTION TO EQUIPMENT NOTED
	208 VOLT OR 240 VOLT THREE PHASE CONNECTION TO EQUIPMENT NOTED
	DATA TRANSMISSION OUTLET BOX - REFER TO SPECIFICATIONS FOR REQUIREMENTS
EWC	ELECTRIC WATER COOLER

SYMBOL	DESCRIPTION
	RACEWAY WITH NUMBER OF CONDUCTORS INDICATED
UG	UNDERGROUND RACEWAY
LA1,2	PANEL AND CIRCUIT NUMBERS
	ARROWS INDICATE HOME RUN TO PANEL
1"	CONDUIT SIZE IF INDICATED
30/2	BRANCH CIRCUIT BREAKER SIZE IN PANEL INDICATED IF OTHER THAN 1P20A
	NEUTRAL CONDUCTOR
	UNGROUNDED CONDUCTORS
#10	CONDUCTOR SIZE INDICATED IF OTHER THAN NO. 12 AWG
	CONDUCTORS SHALL BE SIZE INDICATED FOR ENTIRE LENGTH OF CIRCUIT
	ELECTRICAL BRANCH CIRCUIT PANEL AS NOTED

WIRING DEVICE LEGEND AND SCHEDULE

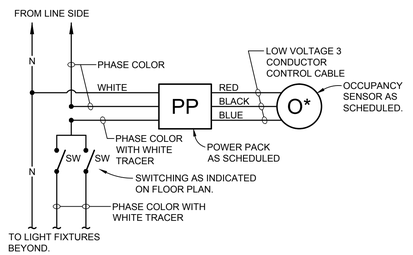
SYMBOL	CHARACTERISTICS	RATING		DESCRIPTION	MANUFACTURER'S REFERENCE			REMARKS
		VOLTS	AMPS		P. & S.	HUBBELL	LEVITON	
S	SPST	120-277	20	SINGLE POLE SWITCH	CSB20AC1	CSB120	CSB1-20	
S_3	3-WAY	120-277	20	THREE-WAY SWITCH	CSB20AC3	CSB320	CSB3-20	
S_4	4-WAY	120-277	20	FOUR-WAY SWITCH	CSB20AC4	CSB420	CSB4-20	
S_P	SPST-PILOT LIGHT	120-277	20	SINGLE POLE SWITCH WITH INTEGRAL PILOT LIGHT	PS20AC1CPL	HBL12211LC	1221-PL	NORMALLY "OFF"
	NEMA 5-20R	125	20	DUPLEX CONVENIENCE OUTLET	5362A	HBL5366	5366	
GFI	NEMA 5-20R	125	20	GFI RECEPTACLE	2095	GF5362	7899	
WP GFI	NEMA 5-20R	125	20	WEATHERPROOF GFI CONVENIENCE RECEPTACLE	2095	GF5362	7899	

OCCUPANCY SENSOR SCHEDULE

MARK	DESCRIPTION	MANUFACTURER/ MODEL NO.
PP	POWER/CONTROL MODULE	SENSOR SWITCH NO. PP 20
OA	CEILING MOUNTED OCCUPANCY SENSOR "A"	SENSOR SWITCH NO. CM PDT 10
OB	CEILING MOUNTED OCCUPANCY SENSOR "B"	SENSOR SWITCH NO. CM PDT 9
OC	WALLBOX OCCUPANCY SENSOR "C"	SENSOR SWITCH NO. WSD PDT
	THREE (3) CONDUCTOR PLENUM RATED LOW VOLTAGE CABLE AS RECOMMENDED BY OCCUPANCY SENSOR MANUFACTURER.	

OCCUPANCY SENSOR GENERAL NOTES:

1. OCCUPANCY SENSOR LOCATIONS INDICATED ON THE DRAWINGS ARE SCHEMATIC.
2. CEILING MOUNTED MOTION SENSORS IN TYPICAL INSTRUCTIONAL SPACES SHALL BE MOUNTED AS NEAR THE CENTER OF ROOM AS IS POSSIBLE.
3. WALL MOUNTED MOTION SENSORS MARK "OC" SHALL BE MOUNTED AS NEAR TO THE STRIKE SIDE OF DOORS AS IS POSSIBLE.
4. ALL MOTION SENSORS (WHETHER WALL OR CEILING MOUNTED) SHALL BE INSTALLED OR MOUNTED TO A JUNCTION BOX.
5. ALL MOTION SENSORS SHALL BE MOUNTED AT LEAST 4'-0" AWAY FROM HVAC SUPPLY GRILLS.
6. ALL OCCUPANCY SENSOR TERMINATIONS SHALL BE MADE IN AN APPROVED JUNCTION BOX.



3 OCCUPANCY SENSOR DETAIL

SCALE: NONE

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ARCHITECTS AND INTERIOR DESIGNERS

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REGISTERED ARCHITECT
REGISTRATION NO. 6123
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ADDITION
ZION LUTHERAN CHURCH
VICTORIA, TX

DATE ISSUED:
MAR. 02, 2015

PROJECT NUMBER:
1014 743

PLAN NORTH / TRUE NORTH

SHEET NAME
LIGHTING FLOOR PLANS

SHEET NUMBER
E2.1

STATE OF TEXAS
SCOTT E. STRIDDE
84831
LICENSED PROFESSIONAL ENGINEER
3/2/15

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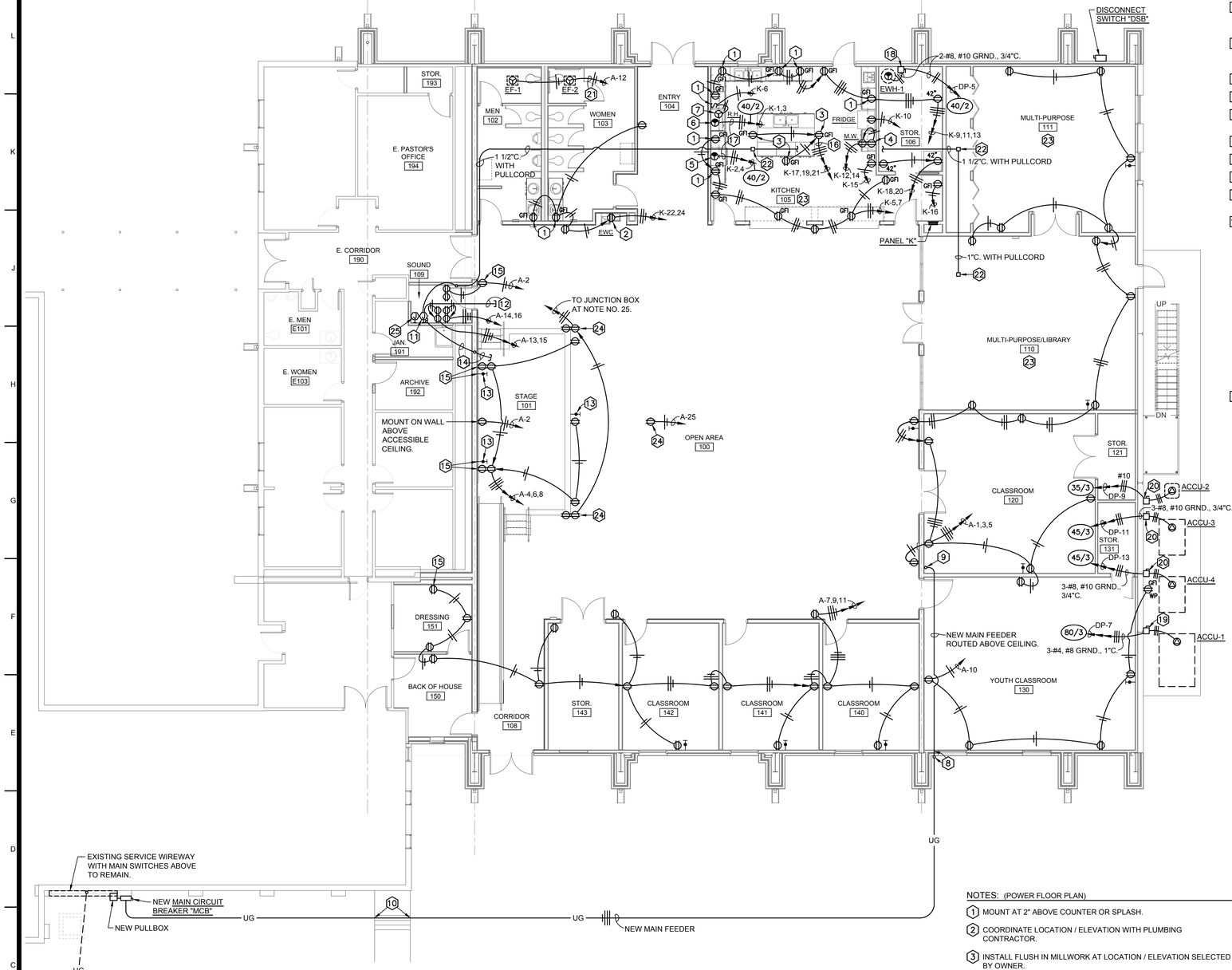


1 POWER FLOOR PLAN

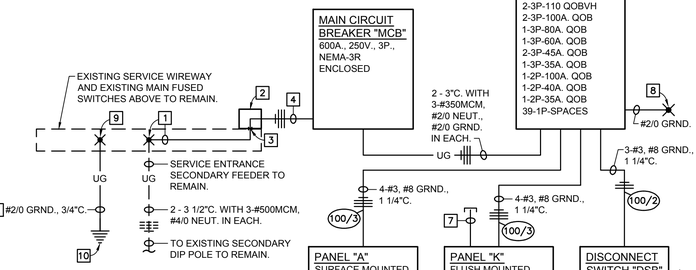
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. EXISTING UNDERGROUND UTILITIES ARE NOT INDICATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR JOBSITE LOCATING AND PROTECTING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO TRENCHING OR EXCAVATING.
2. ATTENTION IS DIRECTED THAT INTERIOR FURRING AT EXTERIOR WALLS AND PARTITIONS ARE TO BE CONSTRUCTED OF WOOD STUDS. EMT IN WALL CAVITIES ARE INTENDED TO BE RUN VERTICALLY TO ABOVE TOP / LATERAL WALL PLATES. REFER TO SPECIFICATIONS FOR CONDUIT REQUIREMENTS.

NOTES: (POWER RISER DIAGRAM)

1. TAP EXISTING SERVICE FEEDER (6-#500MCM, 2-#?/? NEUT., AND ?/? GRND.) WITH NEW 6-#350MCM, 2-#2/0 NEUT., #2/0 GRND. WITH INSULATED NSI LUG BLOCKS AS MANUFACTURED BY POLARIS. JOBSITE SURVEY EXISTING TAP CONDITIONS PRIOR TO ACQUISITION OF LUG BLOCKS.
2. PROVIDE 12"D. X 12"H. X WIDTH REQUIRED PULLBOX A TOP OF EXISTING WIREWAY FOR NEW FEEDER TRANSITION / OFFSET TO NEW MAIN CIRCUIT BREAKER "MCB" LINE SIDE LUGS. BOX SHALL BE FOR PULL THROUGH ONLY. SPLICES IN BOX WILL NOT BE PERMITTED.
3. PROVIDE (2) - 3" CHASE NIPPLES WITH 3-#350MCM, #2/0 NEUT., #2/0 GRND. IN EACH.
4. PROVIDE (2) - 3" X LENGTH REQUIRED NIPPLES WITH 3-#350MCM, #2/0 NEUT., #2/0 GRND. IN EACH.
5. MOUNT ADJACENT TO OR ABOVE GEAR TO BE PROTECTED. CONDUCTOR LENGTH SHALL BE AS SHORT AS POSSIBLE.
6. PROVIDE CIRCUIT BREAKER, CONDUIT, AND CONDUCTORS AS REQUIRED BY TVSS DEVICE.
7. PROVIDE 2 - 1" CONDUIT STUBBED TO ABOVE ACCESSIBLE CEILING.
8. PROVIDE GROUND BOND TO BUILDING STEEL AND WATER MAIN AS REQUIRED BY THE N.E.C.
9. REPLACE EXISTING GROUND CONDUCTOR WITH NEW. CONNECT NEW SERVICE ENTRANCE GROUND CONDUCTOR TO EXISTING AND NEW LOAD SIDE GROUND CONDUCTORS AND WIREWAY GROUND LUG.
10. PROVIDE NEW 3/4" X 10 GROUND ROD. ABANDON EXISTING GROUND ROD IN PLACE.


EXISTING SERVICE WIREWAY AND EXISTING MAIN FUSED SWITCHES ABOVE TO REMAIN.
MAIN CIRCUIT BREAKER "MCB" 600A., 250V., 3P., NEMA-3R ENCLOSED
SERVICE ENTRANCE SECONDARY FEEDER TO REMAIN.
2 - 3 1/2"C. WITH 3-#500MCM, #4/0 NEUT. IN EACH.
TO EXISTING SECONDARY DIP POLE TO REMAIN.
#2/0 GRND., 3/4"C.
UG
2 - 3"C. WITH 3-#350MCM, #2/0 NEUT., #2/0 GRND. IN EACH.
TVSS DEVICE SQUARE D TVS2EMA16A
4-#6, #6 GRND., 1"C.
PANEL "DP" SURFACE MOUNTED 120/208V., 3Ø, 4W., 600A., M.L.O. SQUARE D NQ (84-CIRCUIT PANEL) WITH 1-3P-150A. QOBVH 2-3P-110 QOBVH 2-3P-100A. QOB 1-3P-80A. QOB 1-3P-60A. QOB 2-3P-45A. QOB 1-3P-35A. QOB 1-2P-100A. QOB 1-2P-40A. QOB 1-2P-35A. QOB 39-1P-SPACES
#2/0 GRND.
3-#3, #8 GRND., 1 1/4"C.
4-#3, #8 GRND., 1 1/4"C.
4-#3, #8 GRND., 1 1/4"C.
PANEL "A" SURFACE MOUNTED 120/208V., 3Ø, 4W., 225A. M.L.O. SQUARE D NQ WITH 30-1P-20A. QOB 12-1P-SPACES
PANEL "K" FLUSH MOUNTED 120/208V., 3Ø, 4W., 125A. M.L.O. SQUARE D QO LOAD CENTER WITH 2-2P-40A. QO 26-1P-20A. QO 10-1P-SPACES
DISCONNECT SWITCH "DSB" 100A., 2P., NF, N-3R
FOR FUTURE LOAD SIDE CONNECTION BY OWNER.

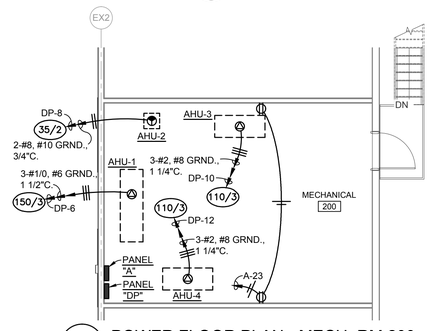
CONNECTED LOADS - NEW BUILDING ADDITION

LIGHTING	10.2 [KVA]	
* MISC. 1Ø	17.4 [KVA]	*
MISC. EQUIPMENT	15.0 [KVA]	
* KITCHEN EQUIPMENT	27.1 [KVA]	*
A/C LOADS:		
COOLING	60.1 [KVA]	
HEATING	105.2 [KVA]	
TOTAL CONNECTED LOAD	174.9 [KVA]	

* N.E.C. PERMITTED DIVERSITY HAS BEEN REMOVED FROM LOAD QUANTITY INDICATED.

3 POWER RISER DIAGRAM

SCALE: NONE



2 POWER FLOOR PLAN - MECH. RM.200

SCALE: 1/8" = 1'-0"

NOTES: (POWER FLOOR PLAN)

1. MOUNT AT 2" ABOVE COUNTER OR SPLASH.
2. COORDINATE LOCATION / ELEVATION WITH PLUMBING CONTRACTOR.
3. INSTALL FLUSH IN MILLWORK AT LOCATION / ELEVATION SELECTED BY OWNER.
4. INSTALL RECEPTACLES OVER-AND-UNDER AT ELEVATIONS REQUIRED TO SERVE WALL HUNG MICROWAVE AND COUNTER TOP MICROWAVE. REFER TO ARCHITECTURAL ELEVATIONS.
5. INSTALL FLUSH OUTLET BOX AT ELEVATION REQUIRED TO SERVE STACKED OVEN UNIT. REFER TO ARCHITECTURAL ELEVATIONS.
6. PROVIDE FLUSH MOUNTED OUTLET BOX BELOW COUNTER TOP AT LOCATION / ELEVATION REQUIRED TO SERVE COOK TOP.
7. PROVIDE FLUSH MOUNTED OUTLET BOX AT LOCATION / ELEVATION REQUIRED TO SERVE RANGE HOOD.
8. ROUTE NEW FEEDER UP ON EXTERIOR WALL TO ABOVE NEW CEILING. ROUTE THROUGH WALL ABOVE CEILING WITH LB CONDULET FITTINGS.
9. ROUTE FEEDER UP THROUGH MEZZANINE FLOOR DECK TO TERMINATE AT PANEL "DP".
10. TUNNEL OR BORE BELOW EXISTING CONCRETE FLATWORK AS REQUIRED FOR CONDUIT BURIAL.
11. PROVIDE 4" X 4" X 12" SURFACE MOUNTED WIREWAY AT STANDARD RECEPTACLE ELEVATION.
12. PROVIDE (2) - 1 1/2" CONDUIT AND (2) - 3/4" CONDUIT WITH PULLCORD IN EACH FROM WIREWAY TO ABOVE ACCESSIBLE CEILING. STUB ABOVE CEILING AT LOCATION SELECTED OWNER.
13. PROVIDE 1" CONDUIT WITH PULLCORD FROM OUTLET BOX. TERMINATE AT WIREWAY INDICATED BY NOTE NO. 11.
14. PROVIDE (3) - 2" CONDUIT WITH PULLCORD FROM WIREWAY. STUB BELOW STAGE DECK AT LOCATION SELECTED BY OWNER.
15. PROVIDE FIRE STOP CAULK AT OUTLET BOX PENETRATION THROUGH FIRE RATED WALL.
16. SAWCUT TRENCH IN EXISTING FLOOR SLAB AS REQUIRED TO CAST NEW CONDUIT IN EXISTING SLAB. COORDINATE SAW CUTTING, CONCRETE REMOVAL, AND PATCHING WITH GENERAL CONTRACTOR PRIOR TO SUBMITTAL OF PROPOSAL.
17. 3 - #8, #10 GROUND, 3/4" CONDUIT.
18. 60A., 250V., 2P, NF, NEMA-1 DISCONNECT SWITCH.
19. 100A., 250V., 3P, NF, NEMA-3R DISCONNECT SWITCH.
20. 60A., 250V., 3P, NF, NEMA-3R DISCONNECT SWITCH.
21. ROUTE THROUGH FAN CONTROL RELAY BY HVAC CONTRACTOR AT MECHANICAL MEZZANINE. VERIFY RELAY LOCATION WITH HVAC CONTRACTOR.
22. 6" X 6" X 4" DEEP PULLBOX ABOVE CEILING FOR SPEAKER CABLES BY SOUND SYSTEM CONTRACTOR.
23. FLUSH MOUNTED CEILING SPEAKERS ARE TO BE FURNISHED AND INSTALLED IN ROOM BY SOUND SYSTEM CONTRACTOR. COORDINATE WITH SOUND SYSTEM CONTRACTOR.
24. INSTALL FLUSH IN CEILING AT LOCATION SELECTED BY SOUND SYSTEM CONTRACTOR.
25. PROVIDE 6" X 6" X 4" DEEP SURFACE MOUNTED JUNCTION BOX AT LOCATION / ELEVATION SELECTED BY SOUND SYSTEM CONTRACTOR FOR CONNECTIONS TO AUDIO POWER SEQUENCER BY THE SOUND SYSTEM CONTRACTOR. ALL LINE AND LOAD SIDE TERMINATIONS TO POWER SEQUENCER SHALL BE BY SOUND SYSTEM CONTRACTOR.

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STATE OF TEXAS — SCOTT E. STRIDDE — 84831 — LICENSED PROFESSIONAL ENGINEER — 3/2/15

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REGISTRATION NO. 6123
STATE OF TEXAS

ADDITION
ZION LUTHERAN CHURCH
VICTORIA, TX

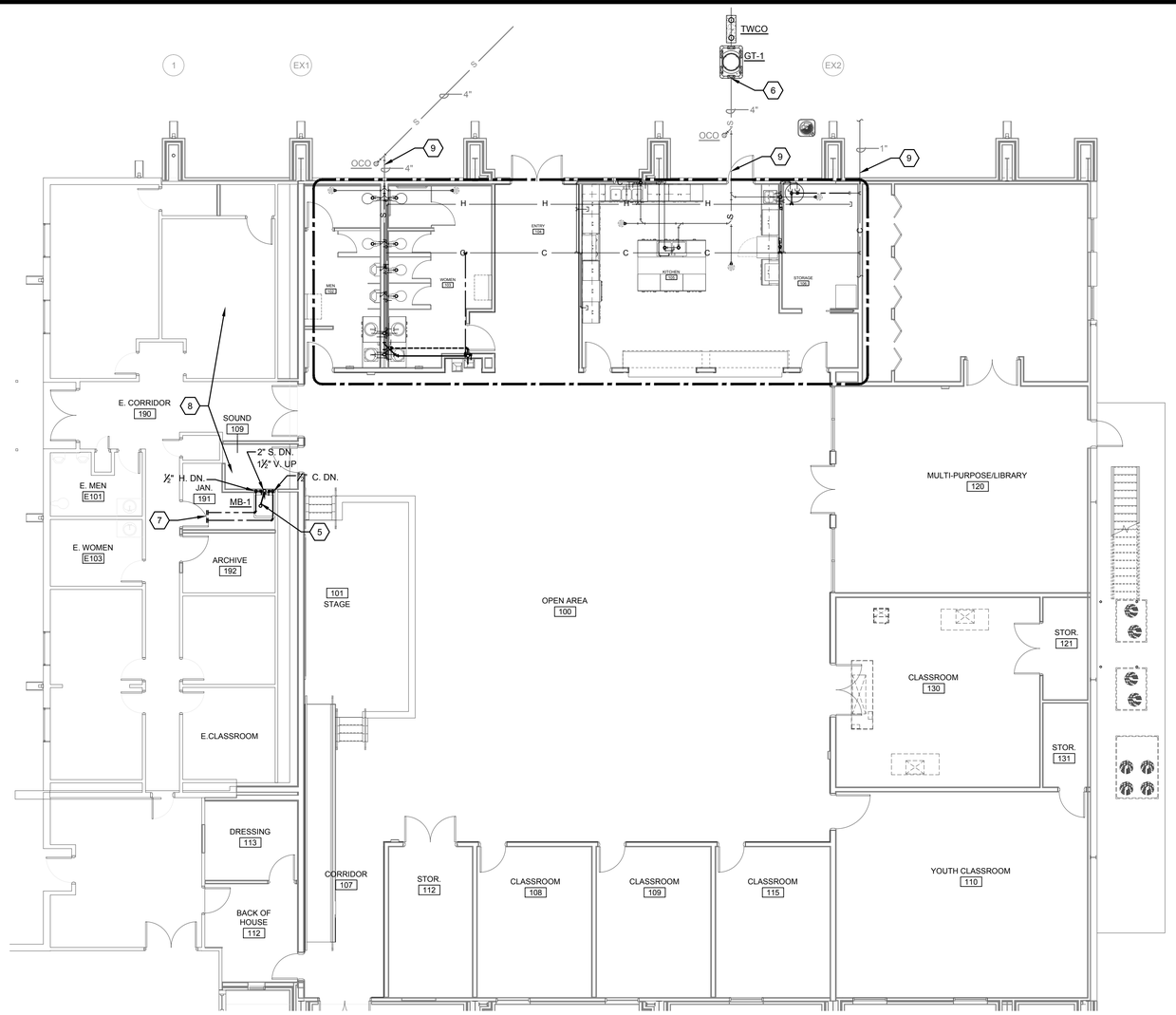
DATE ISSUED:
MAR. 02, 2015

PROJECT NUMBER:
1014 743

PLAN NORTH / TRUE NORTH

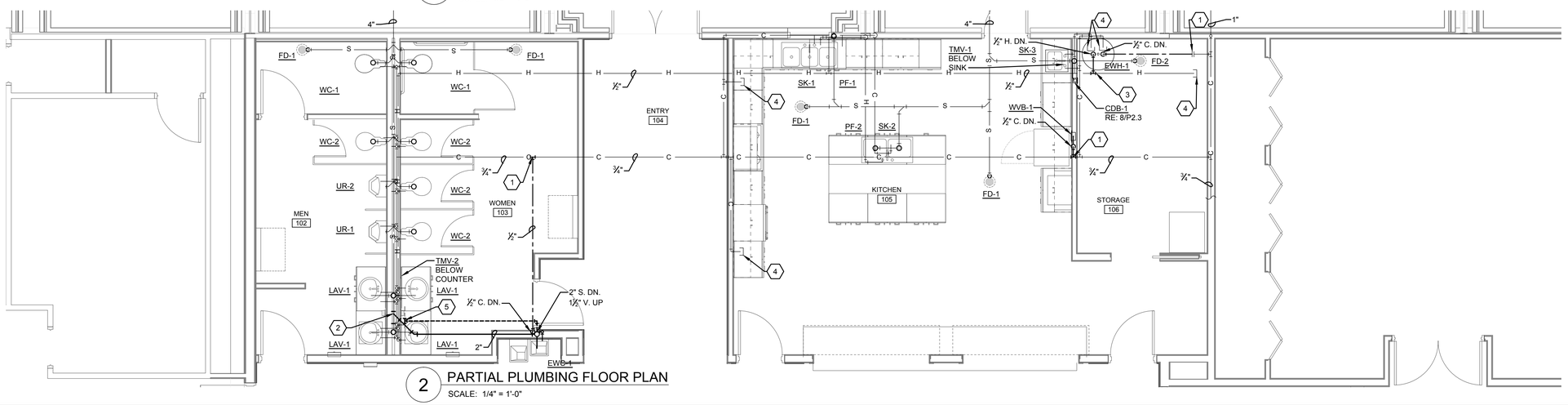
SHEET NAME
POWER FLOOR PLANS

SHEET NUMBER
E2.2



1 PLUMBING FLOOR PLAN

SCALE: 1/8" = 1'-0"



2 PARTIAL PLUMBING FLOOR PLAN

SCALE: 1/4" = 1'-0"

PLUMBING KEYED NOTES (applicable to this sheet):

1. CONNECT NEW 1" COLD WATER PIPING TO EXISTING COLD WATER PIPING AT APPROXIMATE LOCATION. FIELD VERIFY LOCATION AND SIZE OF EXISTING COLD WATER PIPING.
2. CONNECT NEW 4" SOIL PIPING TO EXISTING SOIL PIPING AT APPROXIMATE LOCATION. FIELD VERIFY LOCATION, DEPTH AND SIZE OF EXISTING SOIL PIPING. DEPTH OF EXISTING PIPING MUST FIRST BE VERIFIED BEFORE ANY WORK COMMENCES IN ORDER TO DETERMINE DEPTH REQUIREMENTS.
3. CONNECT NEW 1" HOT WATER PIPING TO EXISTING HOT WATER PIPING AT APPROXIMATE LOCATION. FIELD VERIFY LOCATION AND SIZE OF EXISTING HOT WATER PIPING.
4. TEMPORARILY CAP WATER PIPING.
5. CONNECT NEW VENT PIPING TO EXISTING VENT PIPING AT APPROXIMATE LOCATION. FIELD VERIFY LOCATION AND SIZE OF EXISTING VENT PIPING.
6. INSTALL NEW GREASE TRAP AT APPROXIMATE LOCATION. FIELD VERIFY LOCATION, DEPTH AND SIZE OF EXISTING SANITARY PIPING AND OWNER FURNISHED SANITARY PIPING.
7. CONNECT NEW HOT AND COLD WATER PIPING TO EXISTING HOT AND COLD WATER PIPING. FIELD VERIFY EXACT LOCATION AND SIZE OF EXISTING WATER PIPING.
8. EXISTING VENT PIPING WITHIN THESE AREAS TO BE EXTENDED UP THRU NEW ROOF. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND DETAILS.
9. CONTRACTOR SHALL UNCOVER THE EXISTING PLUMBING UTILITIES FOR CONNECTION TO OWNER FURNISHED PLUMBING SYSTEMS. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING PLUMBING UTILITIES.

PLUMBING GENERAL NOTES:

1. FIELD ADJUSTMENT OF PLUMBING EQUIPMENT, FIXTURE AND PIPING MAY BE NECESSARY TO FIT FIELD CONDITIONS. COORDINATE WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES. SUCH WORK SHALL BE COMPLETED AT NO COST TO THE OWNER, ARCHITECT, OR ENGINEER.
2. IN THE EVENT THAT UTILITIES OR SUBSTRUCTURES NOT SHOWN ON THE DRAWINGS ARE ENCOUNTERED, IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO CONSTRUCT THE WORK AS INTENDED AT NO INCREASE IN THE CONTRACT PRICE. ALL DAMAGED OR DISTURBED UTILITIES SHALL BE RECONSTRUCTED TO AS-IS OR BETTER CONDITION BY THE CONTRACTOR AT HIS EXPENSE.
3. FIELD VERIFY EXACT DIMENSIONS AND LOCATIONS OF WALLS, DOORS, GRADE BEAMS, ETC., BEFORE BEGINNING ANY CONSTRUCTION WORK. COORDINATE WITH ARCHITECTURAL PLANS. COORDINATE WITH OTHER TRADES.
4. PROVIDE DECORATIVE TRIM AROUND OPENINGS IN FINISHED AREAS. ESCUTCHEON PLATES SHALL BE CHROME PLATED BRASS.
5. SLOPE ALL DRAIN LINES AS INDICATED. WHERE SLOPE IS NOT INDICATED, USE A SLOPE OF 0.25 INCH PER FOOT. AT NO TIME SHALL SLOPE BE LESS THAN 0.25 INCH PER FOOT UNLESS A CONFLICT EXISTS AND CONTRACTOR CAN VERIFY THAT A MEDIAN FLUID VELOCITY OF 2 FT./SEC. CAN BE ACHIEVED AND MAINTAINED OR IS DIRECTED OTHERWISE BY OWNER'S REPRESENTATIVE.
6. MAKE ALL FINAL CONNECTIONS TO FIXTURES AND EQUIPMENT INCLUDING TRAPS, WATER SERVICE, DRAINS, AND DECORATIVE TRIM. PROVIDE SHUT OFF VALVES AT ALL FIXTURES AND EQUIPMENT. PROVIDE VACUUM BREAKERS WHERE INDICATED AND AS REQUIRED BY GOVERNING AUTHORITIES AND CODE REQUIREMENTS.
7. INDICATED LOCATIONS AND SIZES OF EXISTING SOIL, WASTE, AND WATER PIPING WERE OBTAINED FROM EXISTING DRAWINGS AND ON-SITE VISITS. CONTRACTOR MUST JOBSITE VERIFY EXACT LOCATION AND SIZE OF PIPING. IF EXISTING PIPING IS AT LOCATION OTHER THAN THAT INDICATED, IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY ADJUSTMENTS TO PROVIDE SERVICES AND CONNECTIONS REQUIRED AT NO ADDITIONAL COST.

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SYMBOLS & ABBREVIATIONS

LAV.	LAVATORY
UR.	URINAL
S.S.	SERVICE SINK
W.C.	WATER CLOSET
SK.	SINK
SH.	SHOWER
M.B.	MOP BASIN
E.W.C.	ELECTRIC WATER COOLER
DISP.	DISPOSAL
D.W.	DISHWASHER
W.M.	WASHING MACHINE
W.M.B.	WASHER MACHINE BOX
W.V.B.	WATER VALVE BOX
E.W.H.	ELECTRIC WATER HEATER
C.	COLD WATER PIPING
H.	HOT WATER PIPING
H.R.	HOT WATER CIRCULATING PIPING
W.	WASTE PIPING
V.	VENT PIPING
D.	DRAIN PIPING
A.C.	AIR CHAMBER
G.	GAS TILE PIPING
V.T.R.	VENT THR ROOF
VA.	VALVE
CK. VA.	CHECK VALVE
H.D.	HUB DRAIN
F.D.	FLOOR DRAIN
C.I.	CAST IRON
H.B.	HOSE BIBB
A.P.	ACCESS PANEL
TWCO	TWO WAY CLEANOUT
WCO	WALL CLEANOUT
FCO	FLOOR CLEANOUT
OCO	OUTSIDE CLEANOUT
C.O.	CLEAN OUT
CONTR.	CONTRACTOR

T.P.	TRAP PRIMER
V.R.	VACUUM RELIEF VALVE
T–P VA.	TEMPERATURE–PRESSURE RELIEF VALVE
C.P.	CIRCULATING PUMP
	SOIL OR WASTE PIPING
S	EXISTING SOIL OR WASTE PIPING
	VENT PIPING
	COLD WATER PIPING
	HOT WATER SUPPLY PIPING
	HOT WATER RETURN PIPING
T.P.	TRAP PRIMER PIPING
D	DRAIN PIPING
C	EXISTING COLD WATER PIPING
G	EXISTING GAS PIPING
	GATE VALVE
	CHECK VALVE
	THERMOMETER
	PRESSURE GAUGE
	UNION
	TEMPERATURE–PRESSURE RELIEF VALVE
	VACUUM RELIEF VALVE
	PRESSURE REDUCING VALVE

NOTES:
(1) – THIS IS A STANDARDIZED LEGEND. ALL SYMBOLS AND ABBREVIATIONS HEREIN MAY NOT BE APPLICABLE TO THIS PROJECT.

(2) – PIPING SYMBOL HAVING THE LETTER E BEFORE SYMBOL DENOTES EXISTING PIPING WITH THE EXCEPTION OF COLD WATER, HOT WATER, SOIL, WASTE, AND VENT PIPING

PLUMBING FIXTURE BRANCH PIPE SIZES

DESCRIPTION	SOIL OR WASTE	VENT	COLD WATER	HOT WATER
WATER CLOSET	4"	2", 4"	1/2"	———
LAVATORY	2"	1 1/2"	1/2"	1/2"
SINK	2"	1 1/2"	1/2"	1/2"
ELECTRIC WATER COOLER	2"	1 1/2"	1/2"	———

APPROVED MANUFACTURER SCHEDULE

Water Closets, Lavatories	• American Standard	• Crane
	• Kohler	• Zurn
Toilet Seats	• American Standard	• Bemis
	• Church	• Kohler
Lavatory Faucets	• Moen	
	• Kohler	
Sink Faucets	• Elkay	• Moen
	• Kohler	
Miscellaneous Trim (Traps, Supplies, Strainers)	• Dearborn	• McGuire
	• Brass Craft	• Royal Brass
	• Specified Trim	• Pro-Flow
Drain and Supplies Insulation Kits	• TrueBro	
	• Plumberex	
Hose Bibbs	• Watts	• Woodford
	• Nibco	• Chicago
Electric Water Cooler	• Elkay	• Halsey Taylor
	• Haws	• Oasis
Floor Drains, Wall Cleanouts, and Outside Cleanouts	• Zurn	• J.R. Smith
	• Josam	• Mifab
	• Wade	• Watts

PLUMBING FIXTURE SCHEDULE

WC-1	Fixture	Kohler K-3519-0	Floor mounted bottom outlet white vitreous china, siphon action jet water closet with elongated bowl. 2-1/4" passageway, and 1.6 gallon flush. Right or Left hand polished chrome trip lever, fill valve, tank cover and boltcaps. 17-1/8" rim height. Adult ADA/TAS compliant installation. Top of seat 17"-19". Flush valve handle on wide side.
	Flush Valve	Sloan Flushmate.	
	Seat	Bemis 1655-SS/C white solid plastic open front.	
	Trip Lever Location	Left (Right K-3519-RA).	
WC-2	Fixture	Kohler K-3575-0	Floor mounted bottom outlet white vitreous china, siphon action jet water closet with elongated bowl. 2-1/4" passageway, and 1.6 gallon flush. Right or Left hand polished chrome trip lever, fill valve, tank cover and boltcaps. 14-1/2" rim height.
	Flush Valve	Sloan Flushmate.	
	Seat	Bemis 1655-SS/C white solid plastic open front.	
	Trip Lever Location	Left (Right K-3519-RA).	
UR-1	Fixture	Kohler K-4904-ET-0.	Wall mount white vitreous china washout urinal with 3/4" top inlet spud, 2" outlet, removable strainer. 0.5 gallon per flush or less. Install with supplied wall hangers. Manual flush valve, self cleaning filter, 0.5 gallon flush, and five year warranty. Install top of rim of basin 17" A.F.F. for compliance with Adult ADA/TAS requirements. Flush valve handle on wide side.
	Flush Valve	Sloan 186-0.5 XL.	
	Carrier	Supplied Wall Hangers.	
UR-2	Fixture	Kohler K-4904-ET-0.	Wall mount white vitreous china washout urinal with 3/4" top inlet spud, 2" outlet, removable strainer. 0.5 gallon per flush or less. Install with supplied wall hangers. Manual flush valve, self cleaning filter, 0.5 gallon flush, and five year warranty. Install top of rim of basin 24" A.F.F. or as directed by Architect and/or Owner.
	Flush Valve	Sloan 186-0.5 XL.	
	Carrier	Supplied Wall Hangers.	
LAV-1	Fixture	Kohler Pennington K-22196-1-0.	20" X 18" countertop, self rimming, vitreous china lavatory with oval basin, front overflow with three faucet openings. Single handle hand washing faucet, 0.5 GPM, aerator spray head, flexible stainless steel supply tubes. and anti-rotating pin. Install top of rim height 34" above finished floor to comply with Adult ADA/TAS requirements.
	Faucet	Moen 8413F05.	
	Drain	Strainer and 1-1/4" offset tailpiece.	
	Trap	1-1/4"x1-1/4" 17 ga. cast brass trap and tubular wall bend. With C.O. plug.	
	Supplies & Stops	Chrome plated cast brass supply stops.	
SK-1	Fixture	Elkay LTR-542210.	54" x 22" x 10" deep, center drain openings, 18 gauge, Type 304 stainless steel, top mount, triple compartment, fully undercoated, self-rim, two (2) top mount faucets. single-lever top mount pre-rinse faucet, 3-function hand spray, 360° rotation, brass escutcheon, highly polished chrome plated and braided stainless steel supply lines. Requires six faucet holes. Two (2) 1-1/2" C.P. cast brass "P" traps with cleanouts and C.P. brass bell escutcheon; drain outlet with 1-1/2" tailpiece, chrome plated continuous waste; supplies with wheel handle stops and C.P. brass split escutcheons. Install top of rim or counter as directed by the Architect.
	Faucet	Elkay (2) LKAV4061.	
	Drain	Elkay (3) LKAD-35.	
	Trap	(2) 1 1/2" 17 gauge cast brass and tubular wall bend with cleanout plug.	
	Supplies & Stops	Chrome plated cast brass supply stops.	
SK-2	Fixture	Elkay DLR432210	43" x 22" x 10" deep, centered drain opening, 18 gauge, Type 304 stainless steel, top mount, double compartment, fully undercoated, self-rim, single-lever top mount pre-rinse faucet, 3-function hand spray, 360° rotation, brass escutcheon, highly polished chrome plated and braided stainless steel supply lines. Requires four faucet holes. 1-1/2" C.P. cast brass "P" trap with cleanout and C.P. brass bell escutcheon; drain outlet with 1-1/2" tailpiece, chrome plated continuous waste; supplies with wheel handle stops and C.P. brass split escutcheons and soap dispenser. Install top of rim or counter as directed by the Architect.
	Faucet Soap Dispenser & Escutcheon Plate	Elkay LKAV4061. Elkay LK325. Elkay LK133.	
	Drain	Elkay (2) LKAD-35.	
	Trap	1 1/2" 17 gauge cast brass and tubular wall bend with cleanout plug.	
	Supplies & Stops	Chrome plated cast brass supply stops.	
SK-3	Fixture	Elkay LRAD-2219.	22" x 19.5" x 6" deep, off-center front-to-back drain openings, 18 gauge, Type 304 stainless steel, top mount, single compartment, fully undercoated, self-rim and drilled for three (3) faucet holes. Single handle gooseneck faucet, 6" spout reach. 1-1/2" C.P. cast brass "P" trap with cleanout and C.P. brass bell escutcheon; drain outlet with 1-1/2" tailpiece, chrome plated continuous waste; supplies with wheel handle stops and C.P. brass split escutcheons and soap dispenser. Provide hand washing wall sign.
	Faucet	Elkay LKE4122.	
	Drain	Elkay LK-99.	
	Trap	1 1/2" 17 gauge cast brass and tubular wall bend with cleanout plug.	
	Supplies & Stops	Chrome plated cast brass supply stops.	

PLUMBING FIXTURE SCHEDULE

PF-1	Fixture	Elkay LK7757PSS.	Single hole wall mount installation, dual lever pot filler, 2.5 gpm, 360° swing arms and ceramic disc cartridge. Install per manufacturers requirements. Coordinate height with Architect and/or Owner.
PF-2	Fixture	Elkay LK7767PSS.	Single hole deck mount installation, dual lever pot filler, 2.5 gpm, 360° swing arms and ceramic disc cartridge. Install per manufacturers requirements. Coordinate location of pot filler with Architect and/or Owner.
EWC-1	Fixture	Elkay LMABFTL8LC. S.S. Cabinet.	Bi-level, wall mounted wheelchair access with apron, mechanically activated, stainless steel cabinet, concealed 1-1/2" C.P. cast brass "P" trap with cleanout, concealed C.P. supply with wheel handle, hanger bracket, and safety bubbler. Set spout opening of wheelchair accessible electric water cooler 36" above finished floor to comply with Adult ADA/TAS requirements.
	Carrier	Supplied Hanger Bracket.	
	Apron Skirt	Elkay 98313C.	
MB-1	Fixture	Fiat MSB-3624.	36" x 24" mop basin, drain body cast integral, removable C.P. strainer plate, 3" I.C., stainless steel protective cap, chrome plated faucet with hose spout outlet, bucket hook, top brace to wall, vacuum breaker in spout, integral stop arms, hose and wall bracket with spring loaded rubber grip (hose 36" long with 3/4" chrome couplings), wall bracket of stainless steel, stainless steel mop hanger, stainless steel back panel, and silaprene sealant.
	Faucet	Fiat 830-AA.	
	Hose and Bracket	Fiat 832-AA.	
	Mop Hanger	Fiat 889-CC.	
	Wall Guard	Fiat MSG-3624.	
	Bumper	Fiat 1239-BB.	
WVB-1	Fixture	Sioux Chief 696-0-M-F.	Water valve box, 1/4" compression outlet, metal support bracket, plastic, white, and chrome quarter turn adapter ball valve, 1/2" sweat connection.
HB-1	Fixture	Woodford Model 24P-3/4.	Exterior hose bibb, 3/4" FPT inlet, vacuum breaker-backflow preventer with 3/4" hose thread, brass, loose tee key for each hose bibb.
	Backflow Preventer	Nidel Model 34HF.	
TMV-1	Fixture	Leonard 170.	Thermostatic mixing valve with locked temperature adjustment, bronze body, brass, stainless steel, and polymer internal components and integral check valves on hot and cold inlets.
TMV-2	Fixture	Leonard 270.	Thermostatic mixing valve with locked temperature adjustment, bronze body, brass, stainless steel, and polymer internal components and integral check valves on hot and cold inlets.
EWH-1	Fixture	HTP Everlast EVC50.	Water heater, 6000 watt heating element, 50 gallon storage, 240 volt, single phase. 48 gallon per hour recovery based on 100 degrees F. rise in water temperature, AGA/ASME rated temperature and pressure relief valve, stainless steel element, heavy duty insulation, tank working pressure of 150 PSI, manual reset, high limit control, and copper low watt density, resistored, screw-in type thermostats, ten (10) year limited warranty when registered online. Provide HoldRite #40-S-24-A stand and plastic drain pan.
FD-1	Fixture	Josam Series 30000-6A, Josam Series F8 funnel.	Dura coated cast iron body floor drain, polished nikaloy adjustable strainer, I.C., clamping collar, and Trap Guard insert.
FD-2	Fixture	Josam Series 30000-6A, Josam Series F8 funnel. Trap Guard TG3H.	Dura coated cast iron body floor drain, polished nikaloy adjustable strainer, oval nikaloy funnel assembly, I.C., clamping collar, and Trap Guard insert.
OCO & TWCO	Fixture	Josam 56040.	Coated cast iron adjustable floor cleanout, internal gasketed ABS cleanout and adjustable ABS housing, and nikaloy vandalproof cover set in 6" thick concrete pad shall be finished smooth on top, square, and shall project 4" on each side of cleanout.
FCO-1	Fixture	Josam 56010.	Floor cleanout, adjustable coated cast iron floor cleanou, internal gasketed ABS cleanout plug and adjustable ABS housing unit with scoriated round satin nikaloy top.
GT-1	Fixture	Schier Products GB-75.	Plumbing contractor shall provide one (1) grease interceptor where indicated on the Drawings. Grease interceptor shall conform to all code requirements of the City of Victoria, Texas and shall have a lifetime warranty. Provide adjustable riser systems as required and anchor kit. Top of trap manhole covers shall be flush with finished grade.
CDB-1	Fixture	Sioux Chief 696-3F-LC. Sioux Chief 696-1F W/ 696-LC Sioux Chief 696-EX (as required)	Drain box, 2" drainage outlet from bottom, metal support bracket, plastic, white, louvered frame insert and drywall frame extension.

RMA
Rawley McCoy & Associates
ARCHITECTS AND INTERIOR DESIGNERS

RAWLEY McCOY
REGISTERED ARCHITECT
REGISTRATION NO. 6123
STATE OF TEXAS

ADDITION
ZION LUTHERAN CHURCH
VICTORIA, TX

DATE ISSUED:
MAR. 02, 2015

PROJECT NUMBER:
1014 743

PLAN NORTH
TRUE NORTH

SHEET NAME
PLUMBING SCHEDULES

SHEET NUMBER
P2.2

STATE OF TEXAS
R. DAVID MORALES
108769
LICENSED PROFESSIONAL ENGINEER
3/2/15

STRIDDE, CALLINS & ASSOCIATES INC.
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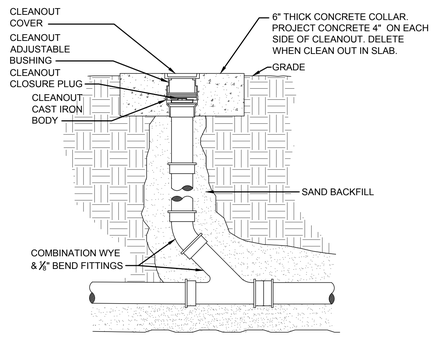
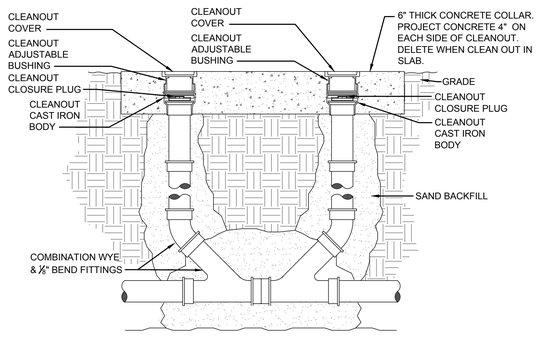

CLEANOUT COVER
CLEANOUT ADJUSTABLE BUSHING
CLEANOUT CLOSURE PLUG
CLEANOUT CAST IRON BODY
6" THICK CONCRETE COLLAR. PROJECT CONCRETE 4" ON EACH SIDE OF CLEANOUT. DELETE WHEN CLEAN OUT IN SLAB.
GRADE
SAND BACKFILL
COMBINATION WYE & ⅛" BEND FITTINGS

1 OUTSIDE CLEANOUT(OCO) DETAIL
NO SCALE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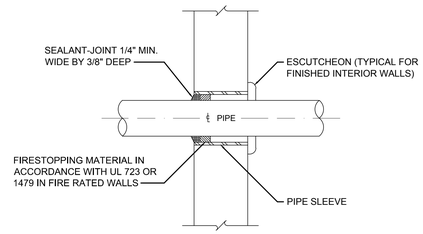
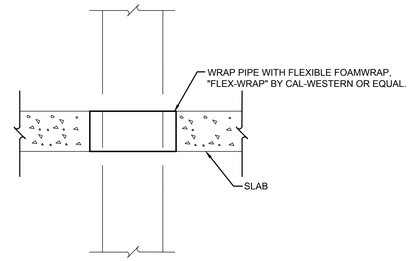
2 TWO-WAY CLEANOUT(TWCO) DETAIL
NO SCALE


SEALANT-JOINT 1/4" MIN. WIDE BY 3/8" DEEP
ESCUTCHEON (TYPICAL FOR FINISHED INTERIOR WALLS)
℄ PIPE
FIRESTOPPING MATERIAL IN ACCORDANCE WITH UL 723 OR 1479 IN FIRE RATED WALLS
PIPE SLEEVE

3 TYPICAL WALL PIPE PENETRATION DETAIL
NO SCALE



4 TYPICAL FLOOR PIPE PENETRATION DETAIL
NO SCALE

5 GREASE INTERCEPTOR (GT) DETAIL
NO SCALE

NOTES:
1. MAKE SURE THE INSIDE OF THE TAILPIECE IS CLEAN BEFORE INSERTING THE TG3H TRAP GUARD.
2. LUBRICATION MAY BE REQUIRED FOR AN EASIER INSTALLATION.
3. THE TAPPER ON THE TOP THE TG3H BUSHING FLANGE SHOULD FIT FLUSH WITH THE TAPPER IN THE TOP OF THE TAILPIECE.

6 FLOOR DRAIN (FD) DETAIL
NO SCALE

7 WATHER HEATER (EWH) DETAIL
NO SCALE

8 CONDENSATE DRAIN BOX DETAIL (CDB-1)
NO SCALE

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